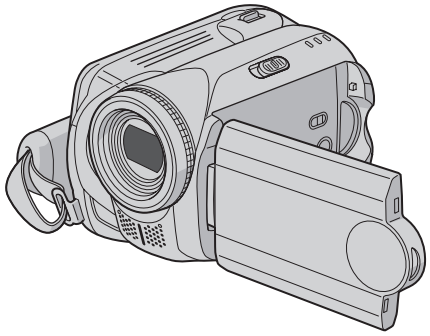
JVC

SERVICE MANUAL

HARD DISK CAMCORDER

GZ-MG21AC, GZ-MG21AH, GZ-MG26AA, GZ-MG31AC



GZ-MG21ACM, GZ-MG21AHM [M6E324],
GZ-MG26AAM [M6E334],
GZ-MG31ACM [M6E326]

Regarding service information other than these sections, refer to the service manual No. YF137 (GZ-MG21EK).
Also, be sure to note important safety precautions provided in the service manual.
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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No.YF144
2006/5

SPECIFICATION

■Camcorder

For general	Power supply		DC 11 V (Using AC Adapter) DC 7.2 V (Using battery pack)
	Power consumption		Approx. 3.9 (4.1)* W * When using the LED light
	Dimensions (W × H × D)		68 mm × 69 mm × 109 mm
	Weight		Approx. 340 g (without battery, lens cap and strap) Approx. 400 g (incl. battery, lens cap and strap)
	Operating temperature		0°C to 40°C
	Operating humidity		35% to 80%
	Storage temperature		-20°C to 50°C
	Pickup		1/6" (800,000 pixels) CCD
	Lens		F 2.0 to 4.5, f = 2.3 mm to 73.6 mm, 32:1 power zoom lens
	Filter diameter		Ø30.5 mm
	LCD monitor	GZ-MG26	2.7" diagonally measured, LCD panel/TFT active matrix system
		GZ-MG21,31	2.5" diagonally measured, LCD panel/TFT active matrix system
	Speaker		Monaural
	Flash		Within 1.5 m (recommended shooting distance)
For video/audio	Format		SD-VIDEO
	Recording/Playback format	Video	MPEG-2
		Audio	Dolby Digital (2 ch)
	Signal format		PAL standard
	Recording mode (video)		ULTRA FINE: 720 × 576 pixels, 8.5 Mbps (VBR) FINE: 720 × 576 pixels, 5.5 Mbps (VBR) NORMAL: 720 × 576 pixels, 4.2 Mbps (VBR) ECONOMY: 352 × 288 pixels, 1.5 Mbps (VBR)
	Recording mode (audio)		ULTRA FINE: 48 kHz, 384 kbps FINE: 48 kHz, 384 kbps NORMAL: 48 kHz, 256 kbps ECONOMY: 48 kHz, 128 kbps
For still image	Format		JPEG
	Image size		One mode (640 × 480)
	Picture quality		2 modes (FINE/STANDARD)
For Connectors	AV	S-Video output	Y:1.0 V (p-p), 75 Ω, analogue, C:0.29 V (p-p), 75 Ω, analogue
		Video output	1.0 V (p-p), 75 Ω, analogue
		Audio output	300 mV (rms), 1 kΩ, analogue, stereo
	USB		Mini USB type B, USB 2.0 compliant

■AC Adapter

Power requirement	AC 110 V to 240 V~, 50 Hz/60 Hz
Output	DC 11 V, 1 A

■Remote Control

Power supply	DC 3 V
Battery life	Approx. 1 year (depending on the frequency of use)
Operating distance	Within 5 m
Operating temperature	0°C to 40°C
Dimensions (W × H × D)	45 mm × 13 mm × 105 mm
Weight	Approx. 40 g (incl. battery)

Design and specifications subject to change without notice.

SECTION 1
PRECAUTION

Please refer to "GZ-MG21EK No.YF137" about this section.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 DIFFERENCE LIST

The following table indicate main different points between models GZ-MG21EK, GZ-MG21AC, GZ-MG21AH, GZ-MG26AA and GZ-MG31AC.

MODEL	GZ-MG21EK	GZ-MG21AC	GZ-MG21AH
BODY COLOR	SILVER	SILVER	SILVER
HDD(BUILT-IN)	20GB	20GB	20GB
LCD SIZE	2.5”	2.5”	2.5”
USB MASS STORAGE CLASS	2.0(OUT only)	2.0	2.0
AC ADAPTER	AP-V14E	AP-V14AC	AP-V14E
AC CORD	YES(BS Plug)	YES(CCC Plug)	YES(CEE Plug)
CONVERSION PLUG	NO	NO	YES(Fix to AC Cord)
REMOTE CONTROL	RM-V730UE	RM-V730US	RM-V730US

MODEL	GZ-MG26AA	GZ-MG31AC
BODY COLOR	SILVER	GRAY
HDD(BUILT-IN)	20GB	30GB
LCD SIZE	2.7”	2.5”
USB MASS STORAGE CLASS	2.0	2.0
AC ADAPTER	AP-V14E	AP-V14AC
AC CORD	YES(AS/NZS Plug)	YES(CCC Plug)
CONVERSION PLUG	NO	NO
REMOTE CONTROL	RM-V730US	RM-V730US

SECTION 3
DISASSEMBLY

Please refer to "GZ-MG21EK No.YF137" about this section.

SECTION 4
ADJUSTMENT

Please refer to "GZ-MG21EK No.YF137" about this section.

SECTION 5
TROUBLESHOOTING

Please refer to "GZ-MG21EK No.YF137" about this section.

JVC
Victor Company of Japan, Limited
Camcorder Category 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YF144)

Printed in Japan
VPT

PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

BEWARE OF BOGUS PARTS

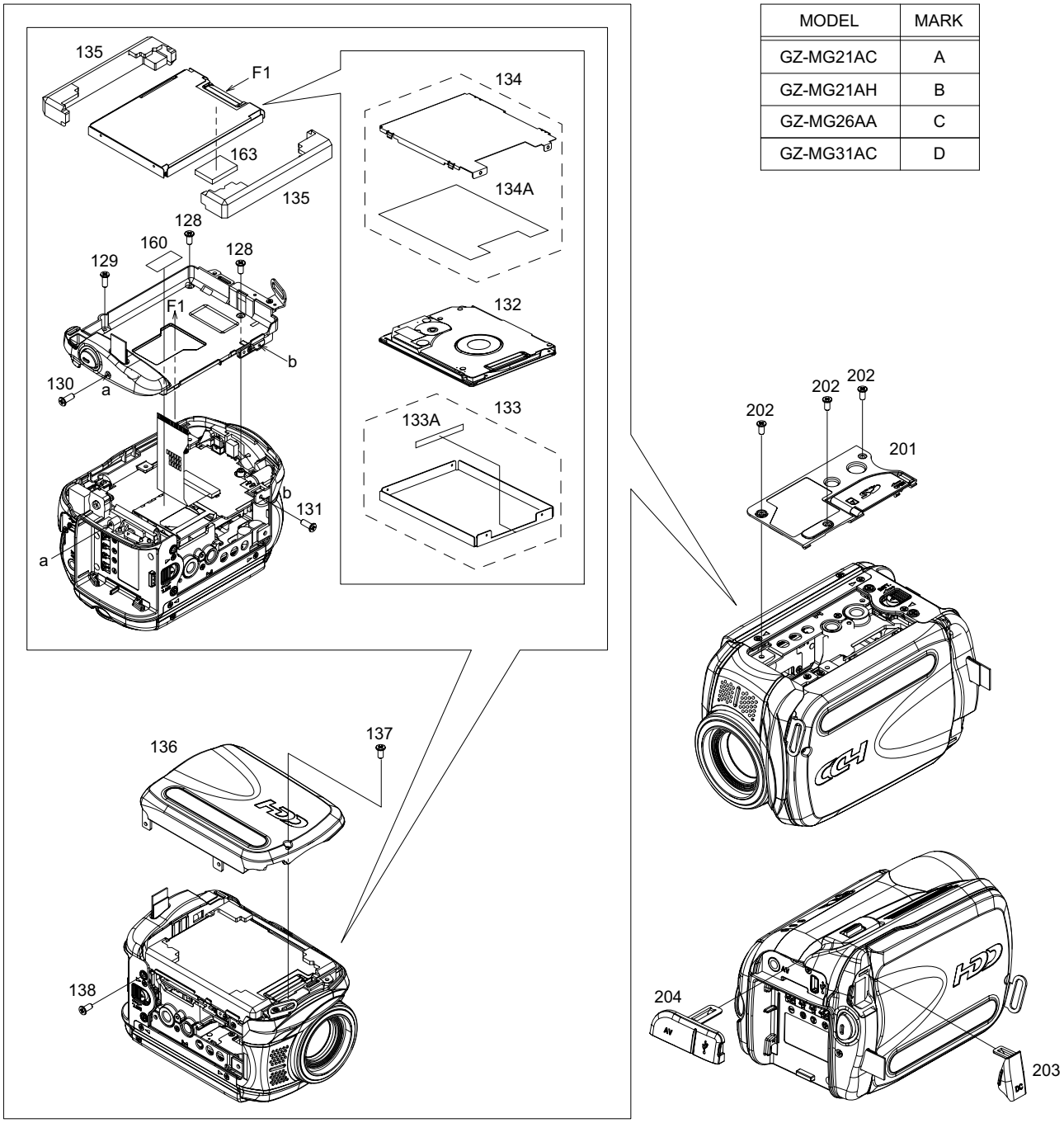
Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.

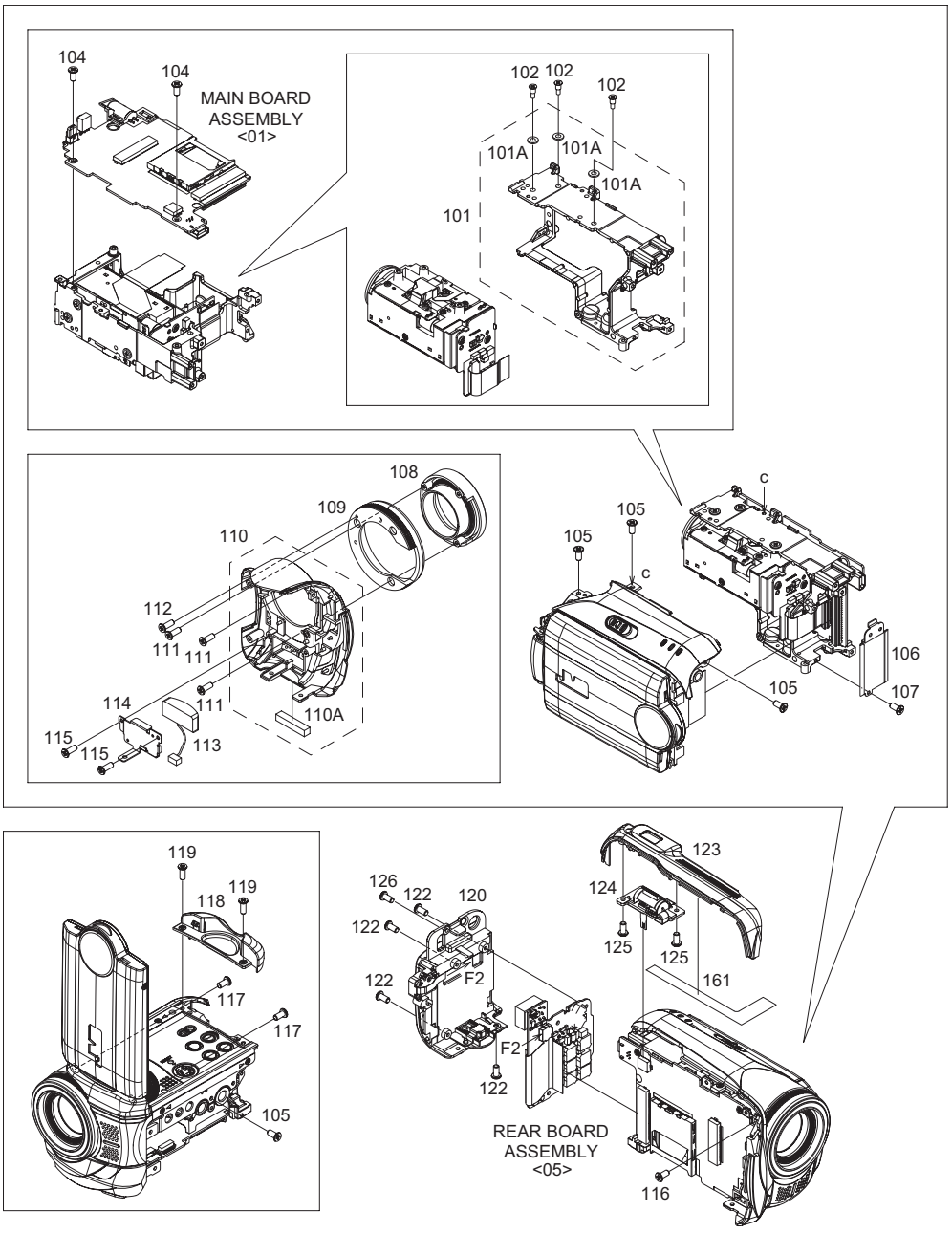
1. EXPLODED VIEW

1.1 FINAL ASSEMBLY<M1>

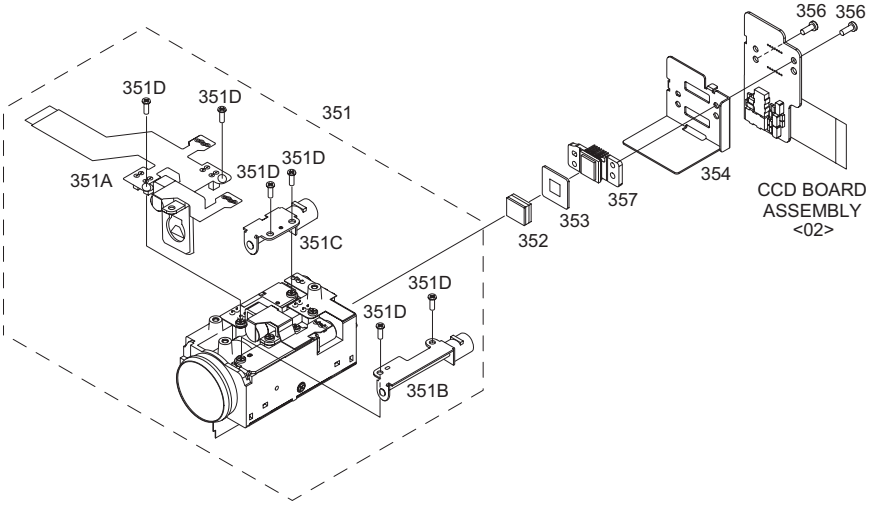
The instruction manual to be provided with this product will differ according to the destination.

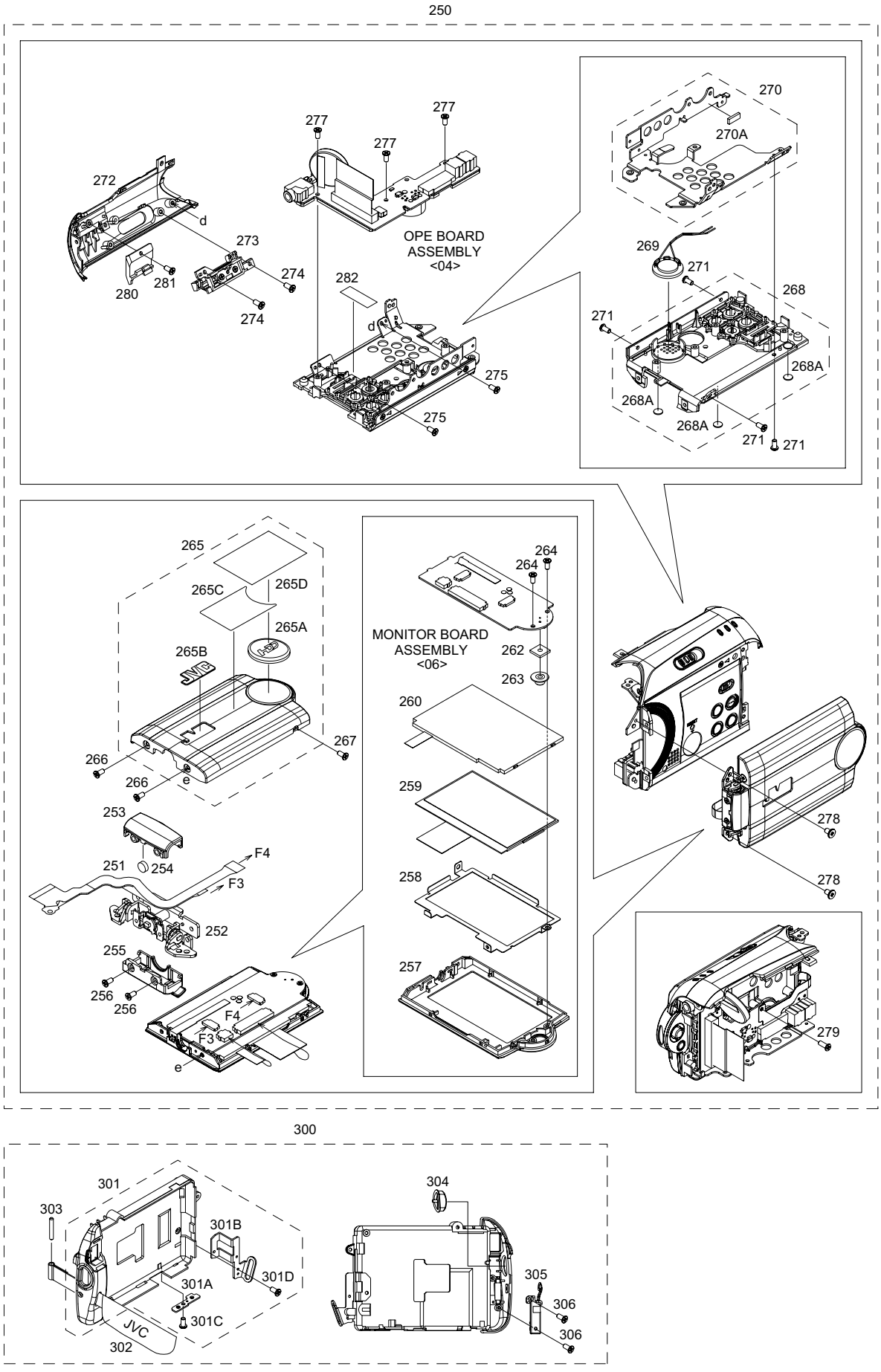
MODEL	MARK
GZ-MG21AC	A
GZ-MG21AH	B
GZ-MG26AA	C
GZ-MG31AC	D





OP BLOCK ASSEMBLY

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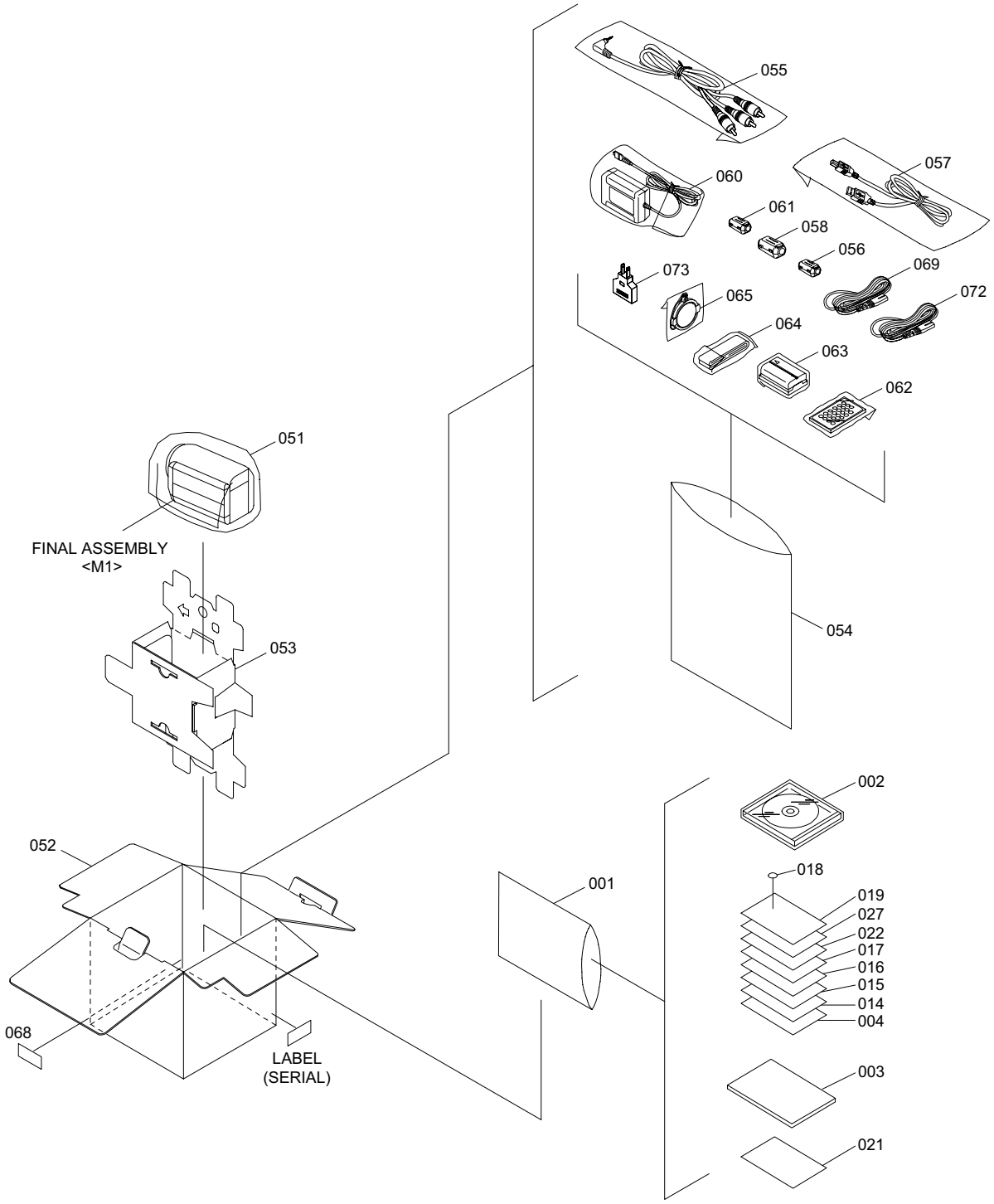
1.2 PACKING AND ACCESSORY ASSEMBLY <M5>



MODEL	MARK	MODEL	MARK
GZ-MG21AC	A	GZ-MG26AA	C
GZ-MG21AH	B	GZ-MG31AC	D

2. PARTS LIST

FINAL ASSEMBLY <M1>

⚠ Symbol No.	Part No.	Part Name	Description	Local
101	LY35263-001B	FRAME ASSY		
101A	LY34799-002A	BUSH	(x3)	
102	LY30032-021A	SPECIAL SCREW	FRM-OP(x3)	
104	LY30031-0K7A	SPECIAL SCREW	MAIN-FRM(x2)	
105	LY30031-0K7A	SPECIAL SCREW	UPPER-FRM(x4)	
106	LY35256-001A	SHIELD(FRAME)		
107	LY30031-0K7A	SPECIAL SCREW	SHIELD-FRM	
108	LY35262-001A	HOOD		
109	LY35237-001C	RING		
110	LY35228-001C	F.COVER ASSY		D
110	LY35228-002D	F.COVER ASSY		A,B,C
110A	LY30035-031A	SPACER(A)		
111	LY30031-0L8B	SPECIAL SCREW	FRONT-HOOD(x3)	
112	LY30031-0K7A	SPECIAL SCREW	FRONT-RING	
113	LY35303-001A	MIC		
114	LY35268-001A	BKT(MIC)		
115	LY30031-0L8B	SPECIAL SCREW	BKT(MIC-FR)(x2)	
116	LY30031-0K7A	SPECIAL SCREW	FRONT-FRM	
117	LY30031-038A	SPECIAL SCREW	UPPER-FRON(x2)	
118	LY35215-001C	M.L.CASE ASSY		D
118	LY35215-002C	M.L.CASE ASSY		A,B,C
119	LY30031-0L8B	SPECIAL SCREW	MLOCK-UPPE(x2)	
⚠ 120	LY21491-001C	REAR UNIT		
122	LY30031-0K7A	SPECIAL SCREW	REAR-FRM(x4)	
123	LY21485-001A	TOP COVER(ZOOM)		
124	LY34990-001E	ZOOM UNIT		
125	LY30031-0L8B	SPECIAL SCREW	ZOOM-TOP(Z)(x2)	
126	LY30031-0K7A	SPECIAL SCREW	TOP(Z)-FRM	
128	LY30031-0K7A	SPECIAL SCREW	HCASE-FRM(x2)	
129	LY30031-0L8B	SPECIAL SCREW	HCASE-ZOOM	
130	LY30031-0L8B	SPECIAL SCREW	HCASE-REAR	
131	LY30031-0K7A	SPECIAL SCREW	FRONT-HCAS	
132	QAL0885-001	HDD	20G	A,B,C
132	QAL0885-002	HDD	30G	D
133	LY35388-001B	BKT(HDD)U ASSY		
133A	LY30035-033A	SPACER(A)		
134	LY35243-001A	BKT(HDD)ASSY		
134A	LY35244-001A	SHEET(HDD)		
135	LY35245-001A	GEL	(x2)	
136	LY21490-001A	HDD COVER		D
136	LY21490-002A	HDD COVER		A,B,C
137	LY30031-0K7A	SPECIAL SCREW	HCOV-HOOK	
138	LY30031-0K7A	SPECIAL SCREW	REAR(B-FRM)	
160	LY34189-018A	GASCKET	SD	
161	LY45202-001A	SHIELD(ZOOM)		
163	LY34189-020A	GASCKET	FPC	
201	LY35247-001B	B.COVER ASSY		
202	LY30031-0K7A	SPECIAL SCREW	BOTTOM(x3)	
203	LY35239-001A	JACK COVER(DC)		
204	LY35233-001A	JACK COVER(REAR)		
250	UU06E301K	U.UNIT ASSY	FOR JAPAN	A,B
250	UU06E302K	U.UNIT ASSY	FOR JAPAN	D
250	UU06E3W09D	U.UNIT ASSY	FOR JAPAN	C
251	QAL0806-001	FPC	MONI-OPE	
252	LY35075-001A	HINGE UNIT	YEM	
253	LY35219-001D	HINGE COVER(U)		D
253	LY35219-002D	HINGE COVER(U)		A,B,C
254	LY43413-001A	P.C.MAGNET		
255	LY35220-001C	HINGE COVER(L)		D
255	LY35220-002C	HINGE COVER(L)		A,B,C
256	LY30031-0K7A	SPECIAL SCREW	HCOV-HINGE(x2)	
257	LY35213-002C	MONI.CASE ASSY		C
257	LY35213-003C	MONI.CASE ASSY		A,B
257	LY35213-004C	MONI.CASE ASSY		D
258	LY21475-001B	LCD BKT(WIDE)	16:9	C
258	LY21476-001C	LCD BKT	4:3	A,B,D
259	QLD0359-001	LCD MODULE	4:3	A,B,D
259	QLD0417-002	LCD MODULE	16:9	C
260	QLL0174-002	BACK LIGHT	4:3	A,B,D
260	QLL0178-002	BACK LIGHT	16:9	C
262	LY45193-001A	SPACER(CURSOL)		
263	LY45166-001C	KNOB(CURSOL)		
264	LY30031-0L8B	SPECIAL SCREW	PWB-M.CASE(x2)	
265	LY35221-002D	MONI.COVER ASSY		C
265	LY35221-003D	MONI.COVER ASSY		A,B
265	LY35221-004D	MONI.COVER ASSY		D
265A	LY45165-001A	MARK(HDD)		
265B	LY45126-001B	JVC MARK		
265C	LY35260-001A	STICKER		D
265C	LY35260-002A	STICKER		A,B,C
265D	LY45216-001A	PROTECT SHEET		
266	LY30031-0K6A	SPECIAL SCREW	MCOV-HINGE(x2)	
267	LY30031-0K7A	SPECIAL SCREW	MCOV-LBKT	
268	LY21478-001E	U.CASE ASSY		D
268	LY21478-002E	U.CASE ASSY		A,B,C
268A	LY42350-001A	FOOT	(x3)	
269	QAS0429-001	SPEAKER		
270	LY35416-001A	BKT(UPPER)ASSY		
270A	LY30035-039A	SPACER(A)		
271	LY30031-0K7A	SPECIAL SCREW	UC-BKT(U)(x4)	
272	LY35234-003A	T.COVER(U) ASSY		A,B,C
272	LY35234-004A	T.COVER(U) ASSY		D
273	LY35224-001C	POWER SW ASSY		D
273	LY35224-002C	POWER SW ASSY		A,B,C
274	LY30031-0L8B	SPECIAL SCREW	POW-TOP(U)(x2)	
275	LY30031-0L8B	SPECIAL SCREW	BKT(U-TOP)(x2)	
277	LY30031-060A	SPECIAL SCREW	PWB-UPPER(x3)	
278	LY30031-0K6A	SPECIAL SCREW	HING-BKT(U)(x2)	
279	LY30031-060A	SPECIAL SCREW	FPC-UPPER	
280	LY35236-001A	INTERRUPTER		
281	LY30031-0L8B	SPECIAL SCREW	INTER-TOP	
282	LY45112-001A	HEAT SHEET		
⚠ 300	CU06E301A	C(BELT)UNITASSY	FOR JAPAN	
⚠ 301	LY35238-001C	HDD CASE ASSY		
301A	LY35022-201A	BKT(BOTTOM)		
301B	LY35241-001A	HOOK(G.B)		
301C	LY30031-0L6A	SPECIAL SCREW	BKT(BTM)	
301D	LY30031-0L6A	SPECIAL SCREW	HOOK	
302	LY21416-001B	GRIP BELT		
303	LY34997-001A	SHAFT(G.B)		
304	LY35240-001B	BUTTON(TRIG)		
305	LY35242-001B	HOLDER(SHAFT)		
306	LY30031-0L8B	SPECIAL SCREW	HOLDER(SH)(x2)	
351	LY35161-002A	OP BLOCK ASSY		
351A	PTY35161-206	AUTO IRIS UNIT		
351B	PTY35161-101	ZOOM MOTOR UNIT		
351C	PTY35161-102	FOCUS MOTOR UNIT		
351D	PTY35161-535	TAPPING SCREW	(x6)	
352	LY45144-001A	OPTICAL LPF		
353	LY45175-001A	SHEET		
354	LY35257-001A-ML	SHIELD CCD	JPN	
356	LY30031-0J7A	SPECIAL SCREW	(x2)	
357	LYH30667-002A	CCD BASE ASSY		

PACKING AND ACCESSORY ASSEMBLY <M5>

⚠ Symbol No.	Part No.	Part Name	Description	Local
001	LY34452-001A	POLY BAG	DOCUMENT	
002	LY35273-003A-S	CD ROM ASSY		
003	LYT1628-001A	INST BOOK(CS)	(SIMPLIFIED CHINESE)	A,D
⚠ 003	LYT1541-001B	INST BOOK(EN)	(ENGLISH)	B,C
⚠ 003	LYT1541-002C	INST BOOK(CS)	(SIMPLIFIED CHINESE)	B
004	LYT1534-003A	INST BOOK(SOFT.S-CH)	(SOFT.SIMPLIFIED CHINESE)	A,D
004	LYT1534-007A	INST BOOK(SOFT.EN.SCH)	(SOFT.SIMPLIFIED CHINESE)	B
004	LYT1534-002A	INST BOOK(SOFT.EN)	(SOFT.ENGLISH)	C
014	----------	WARRANTY CARD	BT-56016-1	C
015	----------	WARRANTY CARD	BT-56017-1	C
016	BT-59021-6CAM	SVC CENTER LIST		A,D
017	YU30552-135	QUEST.CARD		A,D
018	BT-59020-1	HOLOGRAM SEAL		A,D
019	----------	WARRANTY CARD	BT-59019-1CAM	A,D
021	LY35385-004A	SHEET(ACC GUIDE)		
022	LYT1621-006A	SHEET(DVD.W.M)		
027	LYT1607-001A	SHEET(ATT.)		
051	LY30023-003A	POLY BAG	FOR YSK	
052	LY35251-013A	PACKING CASE	PRODUCTION	A,B
052	LY35251-006A	PACKING CASE	PRODUCTION	C

MODEL	MARK	MODEL	MARK
GZ-MG21AC	A	GZ-MG26AA	C
GZ-MG21AH	B	GZ-MG31AC	D

⚠ Symbol No.	Part No.	Part Name	Description	Local
052	LY35251-012A	PACKING CASE	PRODUCTION	D
053	LY21420-001A	CUSHION		
054	QPA02503505P	POLY BAG	ACC. 25cm x 35cm	
055	QAM0508-001	A/V CABLE	FILTER	
056	QQR0918-004	CORE FILTER	AV	
057	QAM0719-001	USB CABLE		
058	QQR0491-004	CORE FILTER	USB 1T	
⚠ 060	LY21104-003D	AC ADAPTER	AP-V14AC	A,D
⚠ 060	LY21104-001E	AC ADAPTER	AP-V14E	B,C
061	QQR0917-004	CORE FILTER	DC	
062	LY21430-002A	REMOTE CTL UNIT	RM-V730US	
⚠ 063	LY34647-002B	BATTERY PACK	BN-VF707U	
064	LY21397-002A	SHOULDER STRAP		
065	LY34811-001B	HOOD CAP ASSY		
068	LY45161-002A-ML	LABEL	JPN	
⚠ 069	QMPS260-190-JR	POWER CORD	CCC 1.9m BLACK	A,D
⚠ 069	QMPH040-190-JR	POWER CORD	AS/NZS 1.9m BLACK	C
⚠ 072	QMPL270-190-JR	POWER CORD	CEE 1.9m BLACK	B
⚠ 073	QAM0001-001	CONVERSION PLUG	FIX AC CO.	B

MAIN BOARD ASSEMBLY <01>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10071-01D	MAIN BOARD ASSY		
IC121	NAL0035-001X	SHOCK SENSOR		
IC171	KSM-2003LN2E	IR DETECT UNIT		
IC1001	MN102H60GJD	IC(MICRO C ROM)	MASK	
IC1001 or	MN102HF60GJD	IC(MICRO C ROM)	MP FLASH	
IC1002	RS5C314-X	IC		
IC1003	S-80827CNNB-G-W	IC		
IC1004	SN74AHC1G08DC-X	IC(DIGITAL)		
IC1004 or	74AHC1G08GW-X	IC		
IC1004 or	TC7SH08FU-X	IC(DIGITAL)		
IC1005	SN74AHC1G04DC-X	IC(DIGITAL)		
IC1005 or	TC7SH04FU-X	IC(DIGITAL)		
IC1007	TC75S56FU-X	IC		
IC1007 or	NJU7108F3-X	IC		
IC2201	AK4660VQ	IC	48P0.5	
IC2201 or	AK4664VQ	IC		
IC3001	UPD61152F1-A03	IC(MICRO C ROM)		
IC3002	K4S28323LF-HN75	IC	128M 32BIT	
IC3201	JCP8075	IC		
IC3202	MB90099PFV139EX	IC(MICRO C ROM)		
IC3204	R1100D251C-X	IC		
IC3701	BH7612FV-X	IC		
IC4001	SIP1280ISD-DVA3	IC		
IC4001 or	SIP1280ISD-DVA2	IC		
IC4003	R1114N331B-X	IC		
IC4201	NN12072A-X	IC	TG/CDS/AD	
IC4301	SG32A90BFIR4B02	IC(MICRO C ROM)	4M FLASH	
IC4303	K4S56323LF-HN75	IC	256M FBGA	
IC4304	R1114N251B-X	IC	SREG2.5V	
IC4401	JCY0231	IC	STD SELL	
IC4403	MM3142FN-X	IC	2.5V REG	
IC4501	JCY0209-2	IC	PREPROCESS	
IC4502	M95320-WDW6-X	IC	EEPROM	
IC4901	JCY0223-X	IC		
Q131	DTC144EE-X	TRANSISTOR		
Q131 or	BCR148T-X	DIGI TRANSISTOR		
Q131 or	UN9213J-X	DIGI TRANSISTOR		
Q171	RPM-22PB	PHOTO TRANSISTOR		
Q421	UMZ1N-W	PAIR TRANSISTOR	LIGHT LED	
Q421 or	PUMZ1-W	PAIR TRANSISTOR	LIGHT LED	
Q421 or	XP4601-W	PAIR TRANSISTOR	LIGHT LED	
Q422	DTC143XE-X	DIGI TRANSISTOR	LIGHT LED	
Q422 or	UN921FJ-X	DIGI TRANSISTOR	LIGHT LED	
Q422 or	KRC419E-X	DIGI TRANSISTOR	LIGHT LED	
Q422 or	RT1N432U-X	DIGI TRANSISTOR	LIGHT LED	
Q1001	DTC124EE-X	DIGI TRANSISTOR		
Q1002	2SC4617/RS/-X	TRANSISTOR		
Q1002 or	2SD2216J/RS/-X	TRANSISTOR		
Q1002 or	BC847BT-X	TRANSISTOR		
Q1003	DTA124EE-X	DIGI TRANSISTOR		
Q1004	2SC4617/RS/-X	TRANSISTOR		
Q1004 or	2SD2216J/RS/-X	TRANSISTOR		
Q1004 or	BC847BT-X	TRANSISTOR		
Q1005	2SJ347-X	MOS FET		
Q1006	DTA124EE-X	DIGI TRANSISTOR		
Q2202	UMX18N-W	PAIR TRANSISTOR		
Q2401	2SC4617/QR/-X	TRANSISTOR		
Q2401 or	BC847BT-X	TRANSISTOR		
Q2403	2SC4617/QR/-X	TRANSISTOR		
Q2403 or	BC847BT-X	TRANSISTOR		
Q3202	2SC4617/QR/-X	TRANSISTOR		
Q3202 or	BC847BT-X	TRANSISTOR		
Q3701	UMZ1N-W	PAIR TRANSISTOR		
Q3701 or	PUMZ1-W	PAIR TRANSISTOR		
Q3701 or	XP4601-W	PAIR TRANSISTOR		
Q4001	2SC4617/RS/-X	TRANSISTOR		
Q4001 or	BC847BT-X	TRANSISTOR		
Q4001 or	2SD2216J/RS/-X	TRANSISTOR		
Q7801	UMX1N-W	PAIR TRANSISTOR		
Q7801 or	BC847S-X	PAIR TRANSISTOR		
Q7801 or	PUMX1-W	PAIR TRANSISTOR		
Q7801 or	XP4501-W	PAIR TRANSISTOR		
Q7802	UMX1N-W	PAIR TRANSISTOR		
Q7802 or	BC847S-X	PAIR TRANSISTOR		
Q7802 or	PUMX1-W	PAIR TRANSISTOR		
Q7802 or	XP4501-W	PAIR TRANSISTOR		
Q7803	UMX1N-W	PAIR TRANSISTOR		
Q7803 or	BC847S-X	PAIR TRANSISTOR		
Q7803 or	PUMX1-W	PAIR TRANSISTOR		
Q7803 or	XP4501-W	PAIR TRANSISTOR		
⚠ D191	RB715W-X	SB DIODE		
D421	NSPW500CS/C0TU/	LED	LIGHT LED	
D1001	DA221-X	SI DIODE		
D1002	1SS376-X	SI DIODE		
D3701	UMZ6.8EN-W	Z DIODE		
D4003	1SS376-X	SI DIODE		
D4201	1SS355-X	SI DIODE		
D4201 or	MA111-X	SI DIODE		
D4201 or	1SS352-X	SI DIODE		
C111	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C122	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C141	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C142	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C171	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C172	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1001	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1004	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1005	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1006	NDCA1HJ-7R0W	C CAPACITOR	7pF 50V J	
C1008	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1013	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1014	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1015	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1016	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1017	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1018	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1020	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1025	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1026	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1031	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1034	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1043	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1044	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1045	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1046	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2202	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2205	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2209	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2210	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2217	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2218	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2223	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2224	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2401	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	

MODEL	MARK	MODEL	MARK
GZ-MG21AC	A	GZ-MG26AA	C
GZ-MG21AH	B	GZ-MG31AC	D

⚠ Symbol No.	Part No.	Part Name	Description	Local
C2402	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2403	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2404	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2405	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2406	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2603	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C2604	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C2605	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C2606	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C2611	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2612	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2613	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2623	NDCA1HJ-100W	C CAPACITOR	10pF 50V J	
C2624	NDCA1HJ-100W	C CAPACITOR	10pF 50V J	
C2655	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2656	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3004	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3005	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3006	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3007	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3008	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3009	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3010	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3011	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3012	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3013	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3014	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3015	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3016	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3019	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C3020	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3021	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3022	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3023	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3024	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3201	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3202	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3203	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3204	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3205	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3206	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3207	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3208	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3209	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3210	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3211	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3212	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
C3216	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3217	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3218	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3219	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3220	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C3224	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3225	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3227	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3701	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3702	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3703	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3704	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3705	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4002	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4003	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4004	NBE20GM-476X	TA E CAPACITOR	47uF 4V M	
C4008	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4009	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4010	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4011	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C4012	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4013	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4014	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C4015	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4016	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4017	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4018	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4019	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4020	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C4021	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4022	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4023	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C4024	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4025	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4026	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4027	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4029	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4031	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4032	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4034	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4201	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C4202	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C4203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4205	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4206	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4208	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4209	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4210	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4211	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4212	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4213	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4214	NDCA1HJ-8R0W	C CAPACITOR	8pF 50V J	
C4215	NDCA1HJ-180W	C CAPACITOR	18pF 50V J	
C4216	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C4217	NBP21CM-106X	TA E CAPACITOR	10uF 16V M	
C4218	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4219	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4220	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4221	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4224	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C4225	NDCA1HJ-100W	C CAPACITOR	10pF 50V J	
C4301	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4302	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4305	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4306	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C4307	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4308	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4309	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4310	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4351	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4352	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4401	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4402	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4403	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4404	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4405	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4406	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4407	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4411	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4412	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4501	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4503	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4504	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4505	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4506	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4507	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4510	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4511	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4513	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4514	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4517	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4518	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4519	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4521	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4522	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4523	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4524	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4525	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4527	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4528	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4529	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4532	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4533	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4534	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4902	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4903	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C4905	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4906	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	

MODEL	MARK	MODEL	MARK
GZ-MG21AC	A	GZ-MG26AA	C
GZ-MG21AH	B	GZ-MG31AC	D

⚠ Symbol No.	Part No.	Part Name	Description	Local
C4907	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4908	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4909	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4911	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C4912	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4913	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4914	NDCA1HJ-680W	C CAPACITOR	68pF 50V J	
C4915	NDCA1HJ-121W	C CAPACITOR	120pF 50V J	
C4916	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4921	NCFA1AZ-474W	C CAPACITOR	0.47uF 10V Z	
C4922	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4923	NCB30JK-474X	C CAPACITOR	0.47uF 6.3V K	
C4924	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4925	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4926	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4927	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4932	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C4935	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C4936	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4937	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C7802	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7803	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7804	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7805	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7806	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7852	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
R101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R111	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R112	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R113	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R114	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R115	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R131	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R141	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R142	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R143	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R144	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R145	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R146	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R147	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R148	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R149	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R150	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R151	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R167	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R169	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R171	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R172	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
⚠ R191	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R196	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R197	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R198	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R421	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R422	NRSA6AJ-182W	MG RESISTOR	1.8kΩ 1/16W J	
R423	NRSA6AJ-391W	MG RESISTOR	390Ω 1/16W J	
R424	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R1001	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1003	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1004	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1005	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1006	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1007	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1008	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1009	NRSA6AJ-681W	MG RESISTOR	680Ω 1/16W J	
R1010	NRSA6AJ-221W	MG RESISTOR	220Ω 1/16W J	
R1016	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1017	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1018	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1019	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1020	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1022	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1023	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1024	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1025	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1028	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1029	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1030	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1031	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1037	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1043	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1045	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1051	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J	
R1052	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R1053	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
R1054	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1055	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1056	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1057	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1058	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1059	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1060	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1061	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1062	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1063	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1064	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1065	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1066	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1068	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1069	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1070	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1071	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1072	NRSA6AJ-823W	MG RESISTOR	82kΩ 1/16W J	
R1073	NRSA6AJ-623W	MG RESISTOR	62kΩ 1/16W J	
R1074	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1075	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1076	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1077	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R1082	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1083	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1084	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1085	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1086	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2202	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R2203	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J	
R2204	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
R2206	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R2207	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R2208	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2209	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2210	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R2211	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R2212	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω 1/16W J	
R2213	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω 1/16W J	
R2217	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R2233	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R2234	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R2235	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R2241	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R2401	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R2402	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R2403	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R2407	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R2601	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2602	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2607	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2608	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2609	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2610	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R3001	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3002	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3003	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3004	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3007	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3008	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3009	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3012	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3013	NRSA6AJ-271W	MG RESISTOR	270Ω 1/16W J	
R3014	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3016	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3017	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3022	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3023	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3024	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3025	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	

MODEL	MARK	MODEL	MARK
GZ-MG21AC	A	GZ-MG26AA	C
GZ-MG21AH	B	GZ-MG31AC	D

⚠ Symbol No.	Part No.	Part Name	Description	Local
R3026	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3027	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3028	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3029	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3030	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3031	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3032	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R3033	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3034	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3035	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3036	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3039	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3040	NRSA6AJ-271W	MG RESISTOR	270Ω 1/16W J	
R3041	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3042	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R3043	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R3044	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R3045	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R3046	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3201	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3202	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3203	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3204	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3205	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3206	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3207	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3208	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R3209	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3210	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3211	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3212	NRSA6AD-183W	MG RESISTOR	18kΩ 1/16W D	
R3213	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R3214	NRSA6AD-272W	MG RESISTOR	2.7kΩ 1/16W D	
R3215	NRSA6AD-272W	MG RESISTOR	2.7kΩ 1/16W D	
R3216	NRSA6AD-821W	MG RESISTOR	820Ω 1/16W D	
R3217	NRSA6AD-821W	MG RESISTOR	820Ω 1/16W D	
R3221	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3222	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3223	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R3224	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R3701	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3702	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3703	NRSA6AD-680W	MG RESISTOR	68Ω 1/16W D	
R3708	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3709	NRSA6AJ-122W	MG RESISTOR	1.2kΩ 1/16W J	
R3710	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R4001	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4002	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R4003	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4005	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4006	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4007	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4008	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4016	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4017	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4018	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4019	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4020	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4021	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4023	NRSA6AD-272W	MG RESISTOR	2.7kΩ 1/16W D	
R4024	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4025	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4026	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4027	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4030	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4031	NRSA6AJ-221W	MG RESISTOR	220Ω 1/16W J	
R4034	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4035	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4036	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R4037	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4038	NRSA6AJ-820W	MG RESISTOR	82Ω 1/16W J	
R4039	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4042	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4043	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4044	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4048	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4049	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4050	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4051	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4052	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4053	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4054	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4055	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4056	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4057	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4058	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4059	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4060	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4061	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4062	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4063	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4064	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4065	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4066	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4067	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4068	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4069	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4070	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4071	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4072	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4073	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4074	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4075	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4076	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4077	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4078	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4079	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4081	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4083	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R4084	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R4086	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4087	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4088	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4201	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R4204	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4205	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4206	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4207	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4208	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4209	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R4210	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4211	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4212	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4214	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4219	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4220	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4221	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4222	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4223	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4224	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4225	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4226	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4227	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4301	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4413	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4414	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4415	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4416	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4418	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4422	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4424	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4425	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4501	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4502	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4503	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4504	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4505	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4506	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4507	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4508	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4510	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4511	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4513	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4514	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4515	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4524	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	

MODEL	MARK	MODEL	MARK
GZ-MG21AC	A	GZ-MG26AA	C
GZ-MG21AH	B	GZ-MG31AC	D

⚠ Symbol No.	Part No.	Part Name	Description	Local
R4525	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4527	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4529	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4530	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4531	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R4532	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R4533	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R4534	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J	
R4535	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4536	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4537	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4541	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4542	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4550	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4551	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4554	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4555	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4556	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4558	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4563	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R4569	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4571	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4579	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4580	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4581	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R4582	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R4583	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R4585	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4587	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4588	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4903	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R4904	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4905	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R4906	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R4907	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R4908	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R4909	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R4910	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4911	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4916	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4917	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4919	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4920	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4923	NRSA6AJ-122W	MG RESISTOR	1.2kΩ 1/16W J	
R4924	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R4925	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R4926	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R4927	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R4931	NRSA6AJ-271W	MG RESISTOR	270Ω 1/16W J	
R4944	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4948	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4949	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J	
R4950	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R4951	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4993	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R7801	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R7802	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R7803	NRSA6AD-621W	MG RESISTOR	620Ω 1/16W D	
R7804	NRSA6AD-222W	MG RESISTOR	2.2kΩ 1/16W D	
R7805	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R7807	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	
R7808	NRSA6AD-621W	MG RESISTOR	620Ω 1/16W D	
R7809	NRSA6AD-222W	MG RESISTOR	2.2kΩ 1/16W D	
R7810	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R7812	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	
R7813	NRSA6AD-621W	MG RESISTOR	620Ω 1/16W D	
R7814	NRSA6AD-222W	MG RESISTOR	2.2kΩ 1/16W D	
R7815	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R7817	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	
R7851	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
R7853	NRSA6AD-363W	MG RESISTOR	36kΩ 1/16W D	
R7854	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
R7856	NRSA6AD-363W	MG RESISTOR	36kΩ 1/16W D	
R7857	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
R7859	NRSA6AD-363W	MG RESISTOR	36kΩ 1/16W D	
RA3001	NRZ0034-181W	NET RESISTOR	180Ω 1/32W J x4	
RA3002	NRZ0034-181W	NET RESISTOR	180Ω 1/32W J x4	
RA3201	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J x4	
RA3202	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J x4	
RA4001	NRZ0034-221W	NET RESISTOR	220Ω 1/32W J x4	
RA4002	NRZ0034-221W	NET RESISTOR	220Ω 1/32W J x4	
RA4301	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J x4	
RA4302	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J x4	
RA4303	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J x4	
RA4304	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J x4	
L111	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L121	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L131	NQR0506-002X	EMI FILTER		
L141	NQR0129-002X	FERRITE BEADS		
L161	NQL38DK-100X	P COIL	10uH K	
L171	NQR0129-002X	FERRITE BEADS		
L1001	NQR0129-002X	FERRITE BEADS		
L1002	NQLC32M-100X	COIL	10uH M	
L2401	NQLC32M-100X	COIL	10uH M	
L2402	NQLC32M-100X	COIL	10uH M	
L2601	NQR0269-013X	FERRITE BEADS		
L2602	NQR0269-013X	FERRITE BEADS		
L2603	NQR0269-013X	FERRITE BEADS		
L3001	NQR0129-002X	FERRITE BEADS		
L3002	NQR0154-003X	FERRITE CORE		
L3005	NQR0006-001X	FERRITE BEADS		
L3007	NQR0129-002X	FERRITE BEADS		
L3201	NQR0129-002X	FERRITE BEADS		
L3203	NQR0129-002X	FERRITE BEADS		
L3206	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L3701	NQL38DK-100X	P COIL	10uH K	
L4003	NQR0129-002X	FERRITE BEADS		
L4004	NQR0006-001X	FERRITE BEADS		
L4005	NQR0154-003X	FERRITE CORE		
L4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L4008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L4201	NQR0006-001X	FERRITE BEADS		
L4202	NQL315K-220X	COIL	22uH K	
L4203	NQL315K-220X	COIL	22uH K	
L4204	NQL315K-220X	COIL	22uH K	
L4205	NQLC32M-100X	COIL	10uH M	
L4301	NQR0129-002X	FERRITE BEADS		
L4303	NQR0154-003X	FERRITE CORE		
L4401	NQR0006-001X	FERRITE BEADS		
L4402	NQR0006-001X	FERRITE BEADS		
L4501	NQR0006-001X	FERRITE BEADS		
L4502	NQR0006-001X	FERRITE BEADS		
L4503	NQR0006-001X	FERRITE BEADS		
L4505	NQR0006-001X	FERRITE BEADS		
L4507	NQR0006-001X	FERRITE BEADS		
L4901	NQR0129-002X	FERRITE BEADS		
L4902	NQL38DK-100X	P COIL	10uH K	
L4903	NQL38DK-100X	P COIL	10uH K	
L4904	NQL38DK-100X	P COIL	10uH K	
L7801	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7851	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
CN101	QGF0547C3-50X	CONNECTOR	OPE FFC/FPC (1-50)	
CN102	QGF0508F3-40X	CONNECTOR	KIN HDD FFC/FPC (1-40)	
CN103	QGF0508F3-53X	CONNECTOR	KIN REAR FFC/FPC (1-53)	
CN104	QGF0534F2-06X	CONNECTOR	KIN ZOOM FFC/FPC (1-6)	
CN105	QGF0547C3-24X	CONNECTOR	CCD FFC/FPC (1-24)	
CN106	QGF0549C2-26W	CONNECTOR	KIN OP FFC/FPC (1-26)	
CN107	QGA1001F1-04X	CONNECTOR	INT MIC W-B (1-4)	
CN110	QGB0512L1-30X	CONNECTOR	JIG B-B (1-30)	
CN111	NNZ0156-001X	SD CARD CONNE	SD	
HD1	LY35255-001A-ML	HOLDER(W.B)		
HD2	LY35258-001A-ML	LED HOLDER (1)		
HD3	LY35259-001A-ML	LED HOLDER (2)		
J101	QNZ0497-001	USB(B) CONNECTOR	B USB USB(MINI-B)	
TP1	NNZ0163-001X	EARTH TERMINAL		
TP2	NNZ0163-001X	EARTH TERMINAL		
TP3	NNZ0163-001X	EARTH TERMINAL		
X1001	NAX0784-001X	C RESONATOR		
X1002	NAX0564-001X	CRYSTAL	32.768kHz	
X4001	NAX0710-001X	CXO		
X4201	NAX0879-001X	CRYSTAL	36MHZ XTAL	
OT1	QAL0807-001	FPC	MAIN-HDD	
OT2	LY30035-025B	SPACER(A)	FPC	
OT3	LY30035-036A	SPACER(A)	PWB	

MODEL	MARK	MODEL	MARK
GZ-MG21AC	A	GZ-MG26AA	C
GZ-MG21AH	B	GZ-MG31AC	D

⚠ Symbol No.	Part No.	Part Name	Description	Local
SD1	LY45207-001A	SHIELD SHEET	SD	

CCD BOARD ASSEMBLY <02>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10067-01B	CCD BOARD ASSY		
IC5801	TC75S54FU-X	IC		
IC5801 or	NJU7008F3-X	IC		
IC5801 or	S-89120ANC-G-X	IC		
IC5802	SN74AHC1G66K-X	IC		
IC5802 or	TC7S66FU-X	IC(DIGITAL)		
IC5802 or	74AHC1G66GW-X	IC		
IC5803	TC75S54FU-X	IC		
IC5803 or	NJU7008F3-X	IC		
IC5803 or	S-89120ANC-G-X	IC		
IC5804	TC7W53FU-X	IC(DIGITAL)		
IC5852	NAL0039-001X	GYRO SENSOR		
IC5901	TC75S54FU-X	IC		
IC5901 or	NJU7008F3-X	IC		
IC5901 or	S-89120ANC-G-X	IC		
IC5902	SN74AHC1G66K-X	IC		
IC5902 or	TC7S66FU-X	IC(DIGITAL)		
IC5902 or	74AHC1G66GW-X	IC		
IC5903	TC75S54FU-X	IC		
IC5903 or	NJU7008F3-X	IC		
IC5903 or	S-89120ANC-G-X	IC		
IC5904	TC7W53FU-X	IC(DIGITAL)		
IC5952	NAL0038-001X	GYRO SENSOR		
Q5001	2SC5345U/Y/-X	TRANSISTOR	CCD OUT	
Q5001 or	2SC3931/CD/-X	TRANSISTOR	CCD OUT	
C5001	NBP41EM-475X-B	TA E CAPACITOR	4.7uF 25V M	
C5002	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C5003	NBP21CM-106X	TA E CAPACITOR	10uF 16V M	
C5004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5005	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C5006	NCB11EK-104X	C CAPACITOR	0.1uF 25V K	
C5007	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C5801	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	
C5806	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5807	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C5808	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C5809	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
C5810	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C5812	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5813	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C5851	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	
C5853	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5907	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C5908	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C5909	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
C5910	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C5912	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5913	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
R5001	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R5805	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5806	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R5807	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R5808	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R5811	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R5812	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5816	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5817	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5818	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5819	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D	
R5820	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R5905	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5906	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R5907	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R5908	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R5911	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R5912	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5915	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5917	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5918	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5919	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D	
R5920	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
L5001	NQL315K-100X	COIL	10uH K	
L5003	NQL315K-100X	COIL	10uH K	
L5801	NQR0129-002X	FERRITE BEADS		
L5851	NQR0129-002X	FERRITE BEADS		
CN5001	QGF0503F8-24X	CONNECTOR	TO MAIN FFC/FPC (1-24)	
OT1	QAL0740-002	FPC	FOR CN5001	

OPE BOARD ASSEMBLY <04>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10070-01B1	OPE BOARD ASSY		A,B,D
PW1	LYA10069-01B1	OPE BOARD ASSY		C
D401	SML-A12UT-X	LED	POW/CHG	
D402	SMLA12BC4T-X	LED	DRV_ACCESS	
D403	MA8068-X	Z DIODE	LCD_OPN SW	
D403 or	UDZS6.8B-X	Z DIODE	LCD_OPN SW	
D404	SML-A12MT-X	LED	USB_HOST	
D452	MA8068-X	Z DIODE		
D452 or	UDZS6.8B-X	Z DIODE		
C451	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C452	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C455	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C456	NEAF0GM-337X	E CAPACITOR	330uF 4V M	
C457	NEAF0GM-337X	E CAPACITOR	330uF 4V M	
R401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R406	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R407	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R408	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R452	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R455	NRSA63D-680X	MG RESISTOR	68Ω 1/16W D	
R456	NRSA63D-680X	MG RESISTOR	68Ω 1/16W D	
R457	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L451	NQR0251-004X	FERRITE BEADS		
L452	NQR0251-004X	FERRITE BEADS		
L453	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L454	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L455	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
⚠ BT401	QAB0069-001	LITHIUM BATTERY		
CN401	QGF0547C3-50X	CONNECTOR	MAIN PWB FFC/FPC (1-50)	
CN402	QGF0503F8-24X	CONNECTOR	MONI FPC FFC/FPC (1-24)	
CN403	QGA1001F1-02X	CONNECTOR	SPEAKER W-B (1-2)	
J401	QNS0078-001	3.5 JACK	AV JACK	
J402	QND0078-001	S JACK	S JACK	
S401	NSW0260-001X	SLIDE SWITCH	POWER_CHRG	
S402	NSW0161-001X	DETECT SWITCH	LCD_OPEN	
S403	NSW0099-001X	SLIDE SWITCH	MOV/STILL	
S404	NSW0198-001X	TACT SWITCH	INFO	
S405	NSW0198-001X	TACT SWITCH	BKLIGHT	
S411	NSW0198-001X	TACT SWITCH	NIGHT EYE	
S412	NSW0198-001X	TACT SWITCH	TRASH	
S413	NSW0272-001X	TACT SWITCH	RESET	
WR1	WJT0196-001A-E	E-CARD WIRE	OPE-MAIN	

REAR BOARD ASSEMBLY <05>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10068-01C	REAR BOARD ASSY		

MODEL	MARK	MODEL	MARK
GZ-MG21AC	A	GZ-MG26AA	C
GZ-MG21AH	B	GZ-MG31AC	D

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC6001	FA7737F	IC		
IC6002	LTC4412ES6-W	IC		
IC6004	S-89220ACNC-G-W	IC		
Q6002	DTC144EE-X	DIGI TRANSISTOR		
Q6002 or	BCR148T-X	DIGI TRANSISTOR		
Q6002 or	UN9213J-X	DIGI TRANSISTOR		
Q6002 or	PDTC144EE-X	DIGI TRANSISTOR		
Q6003	SP8J5-X	MOS FET	SP8J5	
Q6101	RSR025P03-X	MOS FET		
Q6102	RSR025N03-X	MOS FET		
Q6201	RSR025P03-X	MOS FET		
Q6202	RSR025N03-X	MOS FET		
Q6301	RSR025P03-X	MOS FET		
Q6302	RTF020P02-X	MOS FET		
Q6303	2SC4617/QR/-X	TRANSISTOR		
Q6303 or	BC847BT-X	TRANSISTOR		
Q6303 or	2SD2216J/QR/-X	TRANSISTOR		
Q6303 or	2SC4738/YG/-X	TRANSISTOR		
Q6303 or	2SC5383/E/-X	TRANSISTOR		
Q6401	RSR025P03-X	MOS FET		
Q6402	RTF020P02-X	MOS FET		
Q6403	2SC4617/QR/-X	TRANSISTOR		
Q6403 or	BC847BT-X	TRANSISTOR		
Q6403 or	2SD2216J/QR/-X	TRANSISTOR		
Q6403 or	2SC4738/YG/-X	TRANSISTOR		
Q6403 or	2SC5383/E/-X	TRANSISTOR		
Q6404	RTF020P02-X	MOS FET		
Q6501	RSR025P03-X	MOS FET		
Q6502	2SD2703-X	TRANSISTOR		
Q6503	UMT1N-W	PAIR TRANSISTOR		
Q6503 or	HN1A01FU/G/-X	PAIR TRANSISTOR		
Q6503 or	BC856S-X	PAIR TRANSISTOR		
Q6701	RSR025P03-X	MOS FET		
Q6702	RSR025P03-X	MOS FET		
Q6703	RSR025P03-X	MOS FET		
D601	EMZ6.8N-X	Z DIODE	BATT	
D602	UDZS16B-X	Z DIODE		
D6101	RB160M-30-X	SB DIODE		
D6201	RB160M-30-X	SB DIODE		
D6301	RB160M-30-X	SB DIODE		
D6302	1SS355-X	SI DIODE		
D6302 or	MA111-X	SI DIODE		
D6401	1SS355-X	SI DIODE		
D6401 or	MA111-X	SI DIODE		
D6402	RB160M-30-X	SB DIODE		
D6501	RB481K-X	SB DIODE		
D6502	RB481K-X	SB DIODE		
D6701	RB160M-30-X	SB DIODE		
D6702	RB160M-30-X	SB DIODE		
D6801	RB551V-30-X	SB DIODE		
D6901	MA8068-X	Z DIODE		
C601	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C603	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6006	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6007	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6008	NCJ21CK-475X-R	C CAPACITOR	4.7uF 16V K	
C6009	NCB21CK-224X	C CAPACITOR	0.22uF 16V K	
C6010	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C6011	NCJ21CK-475X-R	C CAPACITOR	4.7uF 16V K	
C6017	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6018	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6019	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6020	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6101	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6102	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6103	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C6104	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C6201	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6202	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6203	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C6204	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C6301	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6302	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6303	NCBA1HK-681W	C CAPACITOR	680pF 50V K	
C6305	NCBA1HK-221W	C CAPACITOR	220pF 50V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C6401	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6402	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6403	NCBA1HK-681W	C CAPACITOR	680pF 50V K	
C6405	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C6501	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6502	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C6503	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6504	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C6505	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C6506	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6508	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6509	NCBA1AK-333W	C CAPACITOR	0.033uF 10V K	
C6510	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C6511	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6701	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6702	NCB41CK-106X	C CAPACITOR	10uF 16V K	
C6704	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C6705	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6706	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C6707	NCBA1HK-821W	C CAPACITOR	820pF 50V K	
C6802	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6803	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C6804	NCBA1HK-392W	C CAPACITOR	3900pF 50V K	
R601	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R602	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R603	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R604	NRSA6AD-154W	MG RESISTOR	150kΩ 1/16W D	
R605	NRSA6AD-393W	MG RESISTOR	39kΩ 1/16W D	
R6001	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6002	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6003	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6004	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6005	NRSA6AD-303W	MG RESISTOR	30kΩ 1/16W D	
R6007	NRSA6AD-473W	MG RESISTOR	47kΩ 1/16W D	
R6008	NRSA6AD-823W	MG RESISTOR	82kΩ 1/16W D	
R6009	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
R6010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6012	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R6014	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R6015	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R6016	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R6017	NRSA6AJ-514W	MG RESISTOR	510kΩ 1/16W J	
R6018	NRSA6AJ-184W	MG RESISTOR	180kΩ 1/16W J	
R6019	NRSA6AJ-824W	MG RESISTOR	820kΩ 1/16W J	
R6021	NRSA6AJ-474W	MG RESISTOR	470kΩ 1/16W J	
R6022	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R6034	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6103	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6104	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6109	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6111	NRSA6AD-473W	MG RESISTOR	47kΩ 1/16W D	
R6112	NRSA6AD-822W	MG RESISTOR	8.2kΩ 1/16W D	
R6203	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6204	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6205	NRSA6AD-823W	MG RESISTOR	82kΩ 1/16W D	
R6206	NRSA6AD-363W	MG RESISTOR	36kΩ 1/16W D	
R6301	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6302	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R6303	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6304	NRSA6AD-303W	MG RESISTOR	30kΩ 1/16W D	
R6305	NRSA6AD-133W	MG RESISTOR	13kΩ 1/16W D	
R6306	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6310	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R6311	NRSA6AJ-185W	MG RESISTOR	1.8MΩ 1/16W J	
R6313	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6401	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R6402	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R6403	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6404	NRSA6AD-562W	MG RESISTOR	5.6kΩ 1/16W D	
R6405	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6406	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R6407	NRSA6AJ-185W	MG RESISTOR	1.8MΩ 1/16W J	
R6409	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6412	NRSA6AJ-185W	MG RESISTOR	1.8MΩ 1/16W J	
R6502	NRSA6AD-104W	MG RESISTOR	100kΩ 1/16W D	

MODEL	MARK	MODEL	MARK
GZ-MG21AC	A	GZ-MG26AA	C
GZ-MG21AH	B	GZ-MG31AC	D

⚠ Symbol No.	Part No.	Part Name	Description	Local
R6503	NRSA6AD-913W	MG RESISTOR	91kΩ 1/16W D	
R6504	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R6505	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R6507	NRSA6AJ-754W	MG RESISTOR	750kΩ 1/16W J	
R6509	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6512	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R6513	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J	
R6702	NRV142F-R20X	CMF RESISTOR	0.2Ω 1/4W F	
R6703	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R6704	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R6708	NRSA6AD-133W	MG RESISTOR	13kΩ 1/16W D	
R6709	NRSA6AD-104W	MG RESISTOR	100kΩ 1/16W D	
R6710	NRSA6AJ-124W	MG RESISTOR	120kΩ 1/16W J	
R6712	NRSA6AJ-561W	MG RESISTOR	560Ω 1/16W J	
R6713	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R6714	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R6715	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D	
R6716	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6717	NRSA6AD-393W	MG RESISTOR	39kΩ 1/16W D	
R6718	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6719	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6802	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R6803	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
L6101	NQL52EM-390X	COIL	39uH M	
L6201	NQL52EM-680X	COIL	68uH M	
L6301	NQL52EM-390X	COIL	39uH M	
L6401	NQL52EM-390X	COIL	39uH M	
L6501	NQL52EM-221X	COIL	220uH M	
L6502	NQL38DK-100X	P COIL	10uH K	
L6701	NQL52EM-470X	COIL	47uH M	
L6801	NQL79GM-470X	COIL	47uH M	
CN6001	QGF0508F3-53X	CONNECTOR	KIN MAIN FFC/FPC (1-53)	
CN6002	QGF0534F2-06X	CONNECTOR	KIN TRIG FFC/FPC (1-6)	
⚠ F6001	NMFZ007-2R5X-K	FUSE	2.5A 24V	
⚠ F6002	NMFZ007-2R5X-K	FUSE	2.5A 24V	
⚠ F6301	NMFZ007-1R25X-K	FUSE	1.25A 32V	
⚠ F6501	NMFZ007-R80X-K	FUSE	0.8A 32V	
J601	QNA0039-001	DC JACK	DC JACK	
BT1	LY35291-001A	BATT.TERMINAL	BATT TERMI	
OT1	QAL0782-002	FPC	TO MAIN	

MONITOR BOARD ASSEMBLY <06>

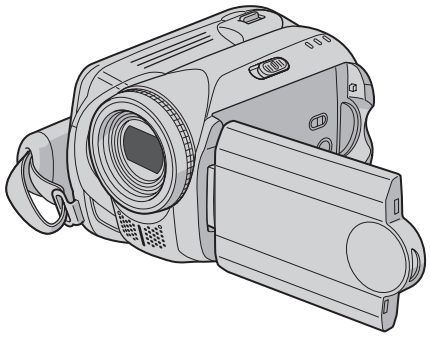
⚠ Symbol No.	Part No.	Part Name	Description	Local
PW2	LYA10070-01B2	MONITOR BOARD ASSY		A,B,D
PW2	LYA10069-01B2	MONITOR BOARD ASSY		C
IC7601	DN8797MS-X	IC		
Q7702	UMD3N-W	DIGI TRANSISTOR		
Q7703	UMX1N-W	PAIR TRANSISTOR		
Q7703 or	PUMX1-W	PAIR TRANSISTOR		
Q7703 or	BC847S-X	PAIR TRANSISTOR		
Q7703 or	KTC801U/G/-X	PAIR TRANSISTOR		
Q7703 or	RT3CLLM/EF/-X	PAIR TRANSISTOR		
C7601	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	A,B,D
C7602	NCB31HK-471X	C CAPACITOR	470pF 50V K	A,B,D
C7602	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	C
C7603	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	A,B,D
C7603	NCB31CK-105X	C CAPACITOR	1uF 16V K	C
C7604	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	A,B,D
C7604	NCB31CK-105X	C CAPACITOR	1uF 16V K	C
C7605	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	A,B,D
C7605	NCB31CK-105X	C CAPACITOR	1uF 16V K	C
C7606	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	A,B,D
C7607	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	A,B,D
C7607	NCB11EK-105X	C CAPACITOR	1uF 25V K	C
C7608	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	A,B,D
C7608	NCB31CK-105X	C CAPACITOR	1uF 16V K	C
C7609	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,D
C7609	NCB11EK-105X	C CAPACITOR	1uF 25V K	C
C7610	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,D
C7610	NCB11EK-105X	C CAPACITOR	1uF 25V K	C
C7611	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,D
C7611	NCB11EK-105X	C CAPACITOR	1uF 25V K	C
C7612	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,D
C7612	NCB11EK-105X	C CAPACITOR	1uF 25V K	C
C7613	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,D
C7613	NCB31EK-153X	C CAPACITOR	0.015uF 25V K	C
C7614	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	A,B,D
C7614	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	C
C7615	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	A,B,D
C7616	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,D
C7617	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,D
C7618	NBP21CM-106X	TA E CAPACITOR	10uF 16V M	A,B,D
C7619	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,D
C7703	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7704	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
R7501	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7502	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7503	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	A,B,D
R7603	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	A,B,D
R7603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C
R7604	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	A,B,D
R7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	A,B,D
R7606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C
R7607	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	A,B,D
R7607	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	C
R7608	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	A,B,D
R7608	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J	C
R7609	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	A,B,D
R7609	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7705	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	A,B,D
R7705	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	C
R7706	NRSA63J-240X	MG RESISTOR	24Ω 1/16W J	A,B,D
R7706	NRSA63J-200X	MG RESISTOR	20Ω 1/16W J	C
L7601	NQL382M-100X	COIL	10uH M	A,B,D
L7602	NQL382M-100X	COIL	10uH M	A,B,D
L7602	NQL38DK-101X	P COIL	100uH K	C
CN7601	QGF0534F2-12X	CONNECTOR	KIN OPE FFC/FPC (1-12)	
CN7602	QGF0534F2-12X	CONNECTOR	KIN OPE FFC/FPC (1-12)	
CN7603	QGF0508F3-40X	CONNECTOR	KIN LCD FFC/FPC (1-40)	A,B,D
CN7603	QGF0534F2-36X	CONNECTOR	KIN LCD FFC/FPC (1-36)	C
CN7701	QGF0534F2-06X	CONNECTOR	LED BL FFC/FPC (1-6)	
S7501	NSW0288-001X	TACT SWITCH	CROSSKEY	
S7502	NSW0198-001X	TACT SWITCH	MENU	
OT1	QAL0687-001	FPC		

JVC

SERVICE MANUAL

HARD DISK CAMCORDER

GZ-MG21EK, GZ-MG21EX, GZ-MG21EY, GZ-MG21EZ, GZ-MG24EG, GZ-MG26EX, GZ-MG26EY, GZ-MG26EZ, GZ-MG36EK



GZ-MG21EKM, GZ-MG21EXM, GZ-MG21EYM, GZ-MG21EZM [M6E324],
GZ-MG24EGM, GZ-MG26EXM, GZ-MG26EYM, GZ-MG26EZM [M6E334],
GZ-MG36EKM [M6E336]

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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No.YF137
2006/4

SPECIFICATION

■Camcorder

For general	Power supply		DC 11.0 V (Using AC Adapter) DC 7.2 V (Using battery pack)
	Power consumption		Approx. 3.9 (4.1)* W * When using the LED light
	Dimensions (W × H × D)		68 mm × 69 mm × 109 mm
	Weight		Approx. 340 g (without battery, lens cap and strap) Approx. 400 g (incl. battery, lens cap and strap)
	Operating temperature		0°C to 40°C
	Operating humidity		35% to 80%
	Storage temperature		-20°C to 50°C
	Pickup		1/6" (800,000 pixels) CCD
	Lens		F 2.0 to 4.5, f = 2.3 mm to 73.6 mm, 32:1 power zoom lens
	Filter diameter		Ø30.5 mm
	LCD monitor	GZ-MG24,26,36	2.7" diagonally measured, LCD panel/TFT active matrix system
		GZ-MG21	2.5" diagonally measured, LCD panel/TFT active matrix system
	Speaker		Monaural
	Flash		Within 1.5 m (recommended shooting distance)
For video/audio	Format		SD-VIDEO
	Recording/Playback format	Video	MPEG-2
		Audio	Dolby Digital (2 ch)
	Signal format		PAL standard
	Recording mode (video)		ULTRA FINE: 720 × 576 pixels, 8.5 Mbps (VBR) FINE: 720 × 576 pixels, 5.5 Mbps (VBR) NORMAL: 720 × 576 pixels, 4.2 Mbps (VBR) ECONOMY: 352 × 288 pixels, 1.5 Mbps (VBR)
	Recording mode (audio)		ULTRA FINE: 48 kHz, 384 kbps FINE: 48 kHz, 384 kbps NORMAL: 48 kHz, 256 kbps ECONOMY: 48 kHz, 128 kbps
For still image	Format		JPEG
	Image size		One mode (640 × 480)
	Picture quality		2 modes (FINE/STANDARD)
For Connectors	AV	S-Video output	Y:1.0 V (p-p), 75Ω, analogue, C:0.29 V (p-p), 75Ω, analogue
		Video output	1.0 V (p-p), 75 kΩ, analogue
		Audio output	300 mV (rms), 1 kΩ, analogue, stereo
	USB		Mini USB type B, USB 2.0 compliant

■AC Adapter

Power requirement	AC 110 V to 240 V~, 50 Hz/60 Hz
Output	DC 11 V, 1 A

■Remote Control

Power supply	DC 3 V
Battery life	Approx. 1 year (depending on the frequency of use)
Operating distance	Within 5 m
Operating temperature	0°C to 40°C
Dimensions (W × H × D)	45 mm × 13 mm × 105 mm
Weight	Approx. 40 g (incl. battery)

Design and specifications subject to change without notice.

SECTION 1
PRECAUTIONS

1.1 SAFTY PRECAUTIONS

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold.However,in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

1.1.1 Precautions during Servicing

(1) Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product.When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

(2) Parts identified by the ⚠symbol and shaded ( ) parts are critical for safety.
Replace only with specified part numbers.

NOTE :
Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

(3) Fuse replacement caution notice.
Caution for continued protection against fire hazard.
Replace only with same type and rated fuse(s) as specified.

(4) Use specified internal wiring. Note especially:
- Wires covered with PVC tubing
- Double insulated wires
- High voltage leads

(5) Use specified insulating materials for hazardous live parts. Note especially:
- Insulation Tape
- PVC tubing
- Spacers
- Insulation sheets for transistors
- Barrier

(6) When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

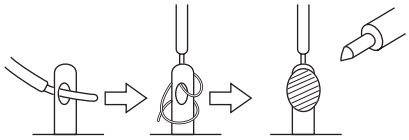


Fig.1-1-1

(7) Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

(8) Check that replaced wires do not contact sharp edged or pointed parts.

(9) When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

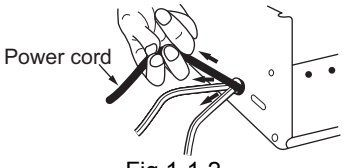


Fig.1-1-2

(10) Also check areas surrounding repaired locations.

(11) Products using cathode ray tubes (CRTs)In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits.Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

(12) Crimp type wire connectorIn such cases as when replacing the power transformer in sets where the connections between the power cord and power trans former primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.
- **Connector part number** :E03830-001
- **Required tool** : Connector crimping tool of the proper type which will not damage insulated parts.
- **Replacement procedure**

a) Remove the old connector by cutting the wires at a point close to the connector.Important : Do not reuse a connector (discard it).

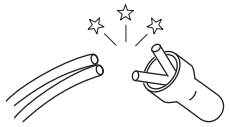


Fig.1-1-3

b) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

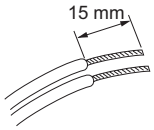


Fig.1-1-4

c) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

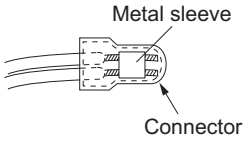


Fig.1-1-5

d) As shown in Fig.1-1-6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

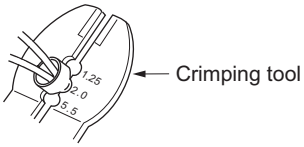


Fig.1-1-6

e) Check the four points noted in Fig.1-1-7.

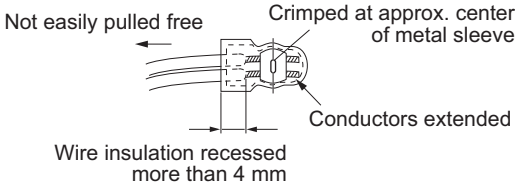

Not easily pulled free
Crimped at approx. center of metal sleeve
Conductors extended
Wire insulation recessed more than 4 mm

Fig.1-1-7

1.1.2 Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

(1) Insulation resistance test
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).See table 1 below.

(2) Dielectric strength test
Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See Fig.1-1-11 below.

(3) Clearance distance
When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See Fig.1-1-11 below.

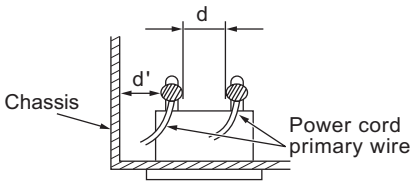


Fig.1-1-8

(4) Leakage current test
Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).
Measuring Method : (Power ON)Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See Fig.1-1-9 and following Fig.1-1-12.

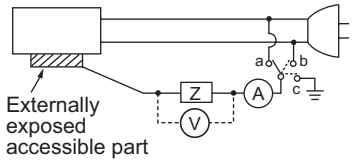
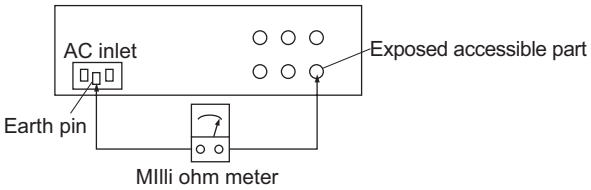


Fig.1-1-9

(5) Grounding (Class 1 model only)
Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).Measuring Method:
Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See Fig.1-1-10 and grounding specifications.



Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≦ 0.1 ohm
Europe & Australia	Z ≦ 0.5 ohm

Fig.1-1-10

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	R≧ 1 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3 mm
100 to 240 V			AC 1.5 kV 1 minute	d, d' ≧ 4 mm
110 to 130 V	USA & Canada	1 MΩ ≦R≦ 12 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R≧ 10 MΩ/500 V DC	AC 3 kV 1 minute (Class Ⅱ) AC 1.5 kV 1 minute (Class Ⅰ)	d ≧ 4 mm d' ≧ 8 mm (Power cord) d' ≧ 6 mm (Primary wire)

Fig.1-1-11

AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	1 kΩ	i ≦ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada	0.15 μF, 1.5 kΩ	i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V 220 to 240 V	Europe & Australia	2 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Antenna earth terminals
		50 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Other terminals

Fig.1-1-12

NOTE :

These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 DIFFERENCE LIST

The following table indicate main different points between models GZ-MG21EK, GZ-MG21EX, GZ-21EY, GZ-MG21EZ, GZ-MG24EG, GZ-MG26EX, GZ-MG26EY, GZ-MG26EZ and GZ-MG36EK.

MODEL NAME	GZ-MG21EK	GZ-MG21EX	GZ-MG21EY	GZ-MG21EZ	GZ-MG24EG
BODY COLOR	SILVER	SILVER	SILVER	SILVER	SILVER
HDD(BUILT-IN)	20GB	20GB	20GB	20GB	20GB
LCD SIZE	2.5"	2.5"	2.5"	2.5"	2.7"
AC ADAPTER	AP-V14E	AP-V17E	AP-V17E	AP-V17E	AP-V17E
AC CORD	YES(BS Plug)	NO	NO	NO	NO

MODEL NAME	GZ-MG26EX	GZ-MG26EY	GZ-MG26EZ	GZ-MG36EK
BODY COLOR	SILVER	SILVER	SILVER	GRAY
HDD(BUILT-IN)	20GB	20GB	20GB	30GB
LCD SIZE	2.7"	2.7"	2.7"	2.7"
AC ADAPTER	AP-V17E	AP-V17E	AP-V17E	AP-V14E
AC CORD	NO	NO	NO	YES(BS Plug)

SECTION 3
DISASSEMBLY

3.1 BEFORE ASSEMBLY AND DISASSEMBLY

3.1.1 Precautions

- Be sure to disconnect the power supply unit prior to mounting and soldering of parts.
- Prior to removing a component part that needs to disconnect its connector(s) and its screw(s), first disconnect the wire(s) from the connector(s), and then remove the screw(s).
- When connecting/disconnecting wires, pay enough attention not to damage the connectors.
- When inserting the flat wire to the connector, pay attention to the direction of the flat wire.
- Be careful in removing the parts to which some spacer or shield is attached for reinforcement or insulation.
- When replacing chip parts (especially IC parts), first remove the solder completely to prevent peeling of the pattern.
- Tighten screws properly during the procedures. Unless otherwise specified, tighten screws at a torque of 0.098N·m (1.0kgf·cm). However, as this is a required value at the time of production, use the value as a measuring stick when proceeding repair services. (See "SERVICE NOTE" as for tightening torque.)

3.1.2 Destination of connectors

Two kinds of double-arrows in connection tables respectively show kinds of connector/wires.

⇔ : Flat wire ↔ : Wire ⬌ : Board to board (B-B)
: The connector of the side to remove

CONN. No.	CONNECTOR					PIN No.
CN2a	MAIN	CN101	⇔	MONI BW	CN761	40
CN2b	MAIN	CN103	⇔	MINI BW	CN762	10

3.1.3 Disconnection of connectors (Wires)

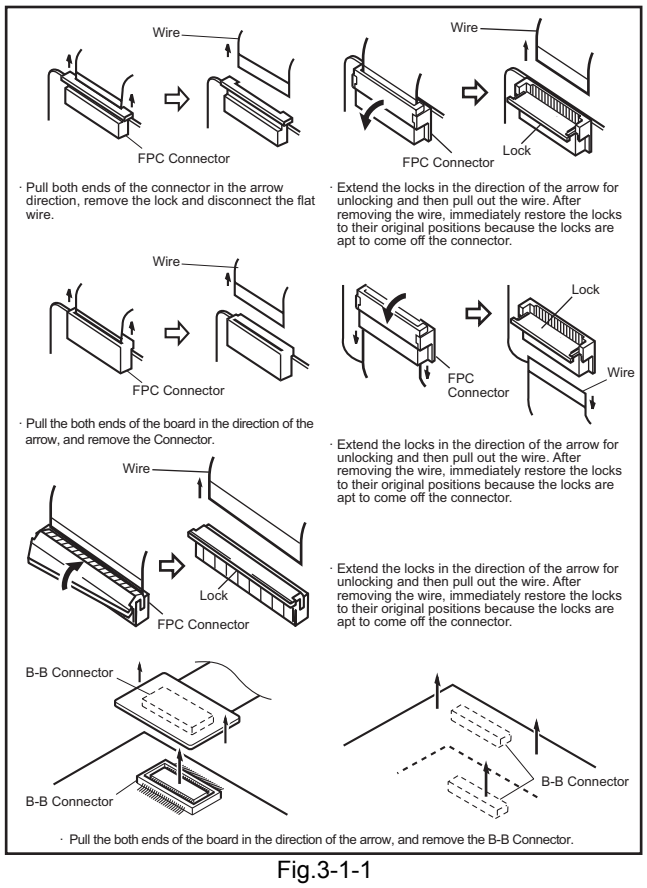

Wire
FPC Connector
· Pull both ends of the connector in the arrow direction, remove the lock and disconnect the flat wire.
Wire
Lock
FPC Connector
· Extend the locks in the direction of the arrow for unlocking and then pull out the wire. After removing the wire, immediately restore the locks to their original positions because the locks are apt to come off the connector.
Wire
FPC Connector
· Pull the both ends of the board in the direction of the arrow, and remove the Connector.
Lock
FPC Connector
Wire
· Extend the locks in the direction of the arrow for unlocking and then pull out the wire. After removing the wire, immediately restore the locks to their original positions because the locks are apt to come off the connector.
Wire
Lock
FPC Connector
· Extend the locks in the direction of the arrow for unlocking and then pull out the wire. After removing the wire, immediately restore the locks to their original positions because the locks are apt to come off the connector.
B-B Connector
B-B Connector
B-B Connector
· Pull the both ends of the board in the direction of the arrow, and remove the B-B Connector.

Fig.3-1-1

3.1.4 Tools required for disassembly and assembly

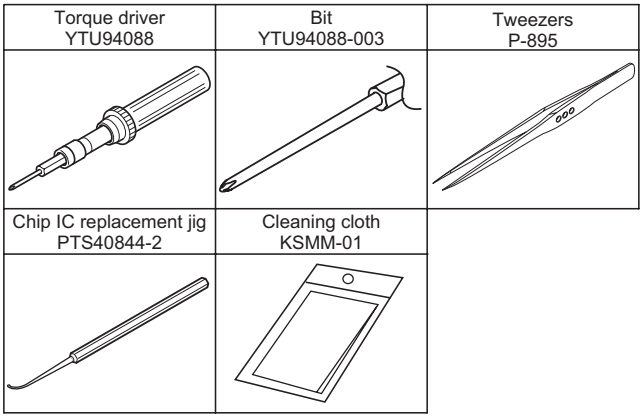


Fig.3-1-2

- **Torque driver**
  Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
- **Bit**
  This bit is slightly longer than those set in conventional torque drivers.
- **Tweezers**
  To be used for removing and installing parts and wires.
- **Chip IC replacement jig**
  To be used for replacement of IC.
- **Cleaning cloth**
  Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

3.2 ASSEMBLY AND DISASSEMBLY OF MAIN PARTS

3.2.1 Assembly and disassembly

When reassembling, perform the step(s) in reverse order.

STEP No.	PART	Fig. No.	POINT	NOTE
[1]	TOP COVER ASSY	C1	4(S1a), 3(L1a),CN1a	-
[2]	UPPER ASSY (Inc. VF ASSY, SPEAKER/MONITOR)	C2-1	(S2a),2(S2b),3(S2c) 2(SD1a), L2,CN2a,b	-
[8]	E.VF UNIT(B/W)	C2-2	2(S8),L8,CN8a	NOTE 8
(∗1)	(∗2)	(∗3)	(∗4)	(∗5)

(∗1) Order of steps in Procedure
When reassembling, preform the step(s) in the reverseorder. These numbers are also used as the identification (location) No. of parts Figures.
(∗2) Part to be removed or installed.
(∗3) Fig. No. showing Procedure or Part Location.
(∗4) Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped or unsoldered.
S = Screw L = Lock, Release, Hook
SD = Solder CN = Connector

[Example]

- 4 (S1a) = Remove 4 S1a screws.
- 3 (L1a) = Disengage 3 L1a hooks.
- 2 (SD1a) = Unsolder 2 SD1a points.
- CN1a = Remove a CN1a connector.

(∗5) Adjustment information for installation.

3.2.2 ASSEMBLY/DISASSEMBLY OF CABINET PARTS AND ELECTRICAL PARTS

● **Disassembly procedure**

STEP No.	PART NAME	Fig. No.	POINT	NOTE
[1]	BOTTOM COVER ASSY	CA1	3(S1),3(L1)	-
[2]	HDD COVER ASSY	FA1	GRIP BELT,2(S2), JACK COVER(DC),L2a,b,c,d	NOTE2a,b,c,d
[3]	HDD	FA2	CN3	NOTE3a,b
[4]	HDD CASE ASSY	FA3	3(S4a),2(S4b)	-
[5]	TOP COVER(ZOOM)	FA4	CN5,JACK COVER(REAR),S5,L5a,b	NOTE5
[6]	ZOOM UNIT		SHIELD(ZOOM),2(S6),2(L6)	NOTE6
[7]	REAR BOARD ASSY	FA5	4(S7),2(L7a),JACK COVER(REAR), CN7a,b,L7b,REAR UNIT	NOTE7
[8]	MONI. LOCK CASE ASSY	FA6	2(S8),2(L8)	-
[9]	FRONT COVER ASSY	FA7	2(S9a),S9b,CN9	-
[10]	MIC	FA8	2(S10),L10,BKT(MIC)	NOTE10
[11]	UPPER ASSY	FA9	S11,L11a,SHIELD(FRAME), 4(S11),L11b,CN11	-
[12]	MONITOR ASSY	UA1	S12a,CN12,2(S12b),2(L12)	NOTE12a,b
[13]	OPE BOARD ASSY	UA2	S13,INTER RUPTER, 3(S13),CN13,L13	NOTE13a,b
[14]	TOP COVER(U) ASSY	UA3	2(S14),2(L14)	-
[15]	POWER SW ASSY		2(S15),2(L15)	-
[16]	SPEAKER	UA4	4(S16),L16a,b,BKT(UPPER)	NOTE16
[17]	MAIN BOARD ASSY	FA10	CN17a,b,2(S17)	NOTE17
[18]	OP BLOCK ASSY	FA11	3(S18)	NOTE18

NOTE2a:
During the procedure, leave the GRIP BELT removed from the hook.

NOTE2b:
When removing the HDD COVER ASSY, leave the JACK COVER (DC) released.

NOTE2c:
During the procedure, be careful not to damage the tabs.

NOTE2d:
When removing the HDD COVER ASSY, be careful in handling as the HDD may come off.

NOTE3a:
During the procedure, be careful in handling the HDD. Make sure not to give any shock to the HDD.

NOTE3b:
When attaching the HDD, check the positions of the marks, and be careful with the GEL lift.

NOTE5:
The screw (No.11) is located under the JACK COVER (REAR).

NOTE6:
Do not disassemble the ZOOM UNIT if not needed as the SHIELD (ZOOM) is attached to the terminals.

NOTE7:
When removing the REAR UNIT, be careful in handling as the JACK COVER (REAR) comes off together.

NOTE10:
When attaching the MIC, be careful with the MIC wiring.

NOTE12a:
Remove the screw (No.30), which tightens up the FPC, before connecting/ disconnecting the FPC to/ from the connector.

NOTE12b:
Refer to 3.2.3 ASSEMBLY/DISASSEMBLY OF [12] MONITOR ASSEMBLY for the disassembly of the MONITOR ASSY.

NOTE13a:
When attaching the two switches (POWER, MODE), be careful with the attachment locations. Attach the levers and switches fixed to one direction as they can be fixed (except the MODE switch lever). After the attachment, check the operation by moving the switch levers.

NOTE13b:
When attaching the SPEAKER WIRE, be careful in the wiring and not to catch the WIRE in between.

NOTE16:
When attaching the SPEAKER, be careful with the attachment location. Attach the OPE BOARD ASSY first, and then follow the figure for the SPKEAKER wiring.

NOTE17:
When attaching the MAIN BOARD ASSY, make sure to insert the corner of the MAIN BOARD ASSY into the slit of the FRAME ASSY.

NOTE18:
Refer to 3.2.4 ASSEMBLY/DISASSEMBLY OF [18] OP BLOCK ASSEMBLY/CCD BOARD ASSEMBLY.

● **Destination of connectors**

CN. No.	CONNECTOR					PIN No.
CN3	HDD	-	⇔	MAIN	CN102	40
CN5	MAIN	CN104	⇔	ZOOM UNIT	-	6
CN7a	MAIN	CN103	⇔	REAR	CN6001	53
CN7b	REAR	CN6002	⇔	TRIG SW	-	6
CN9	MAIN	CN107	↔	MIC	-	4
CN11	MAIN	CN101	⇔	OPERATION	CN401	50
CN12	OPERATION	CN402	⇔	MONI-BL	CN7601,7602	24/12,12
CN13	OPERATION	CN403	↔	SPEAKER	-	2
CN17a	MAIN	CN105	⇔	CCD	CN5001	24
CN17b	MAIN	CN106	⇔	OP BLOCK	-	26

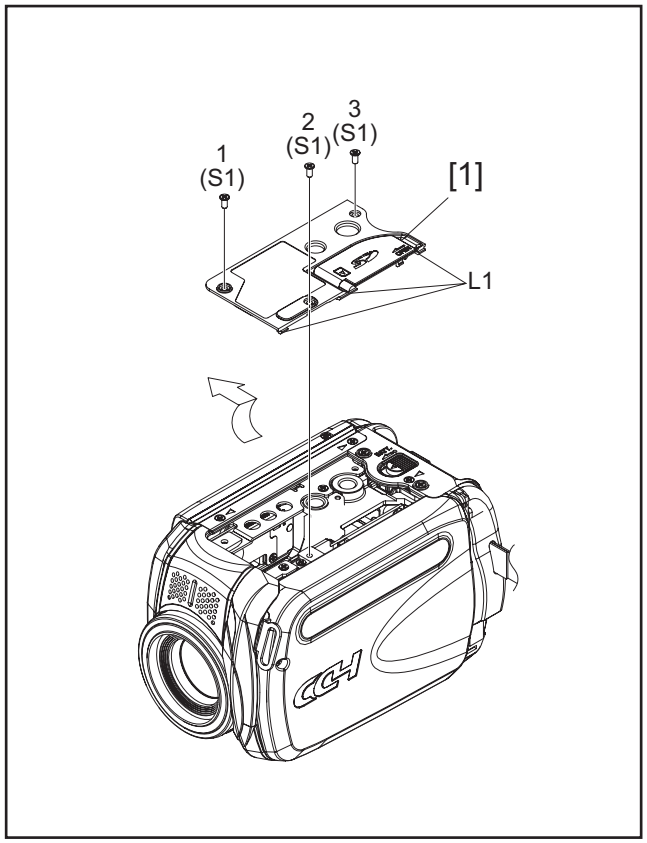


Fig.CA1

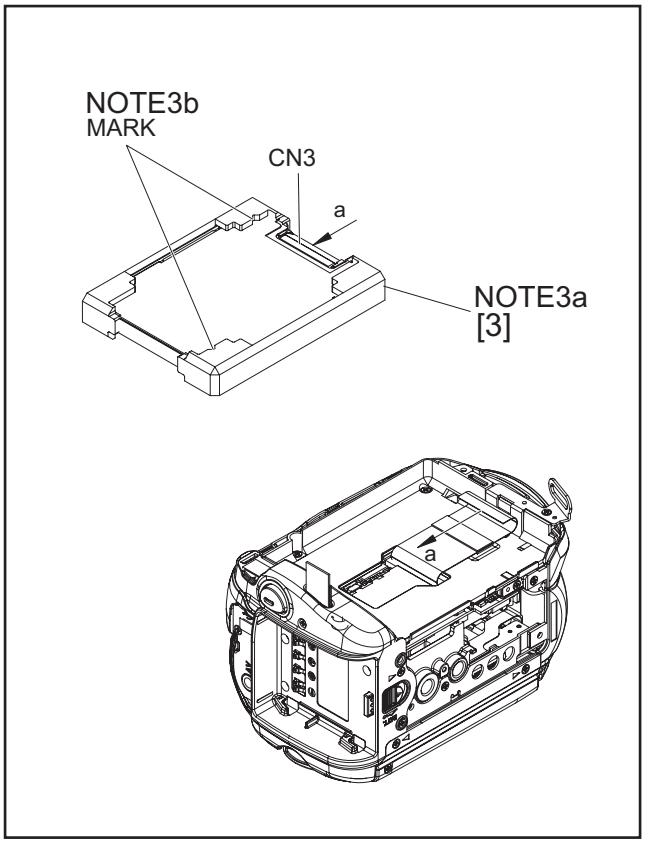


Fig.FA2

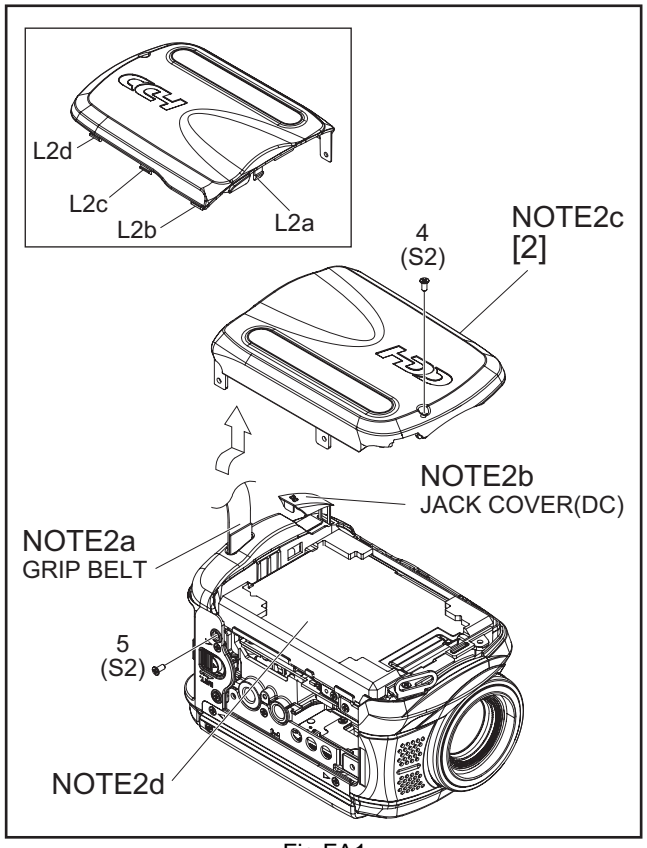


Fig.FA1

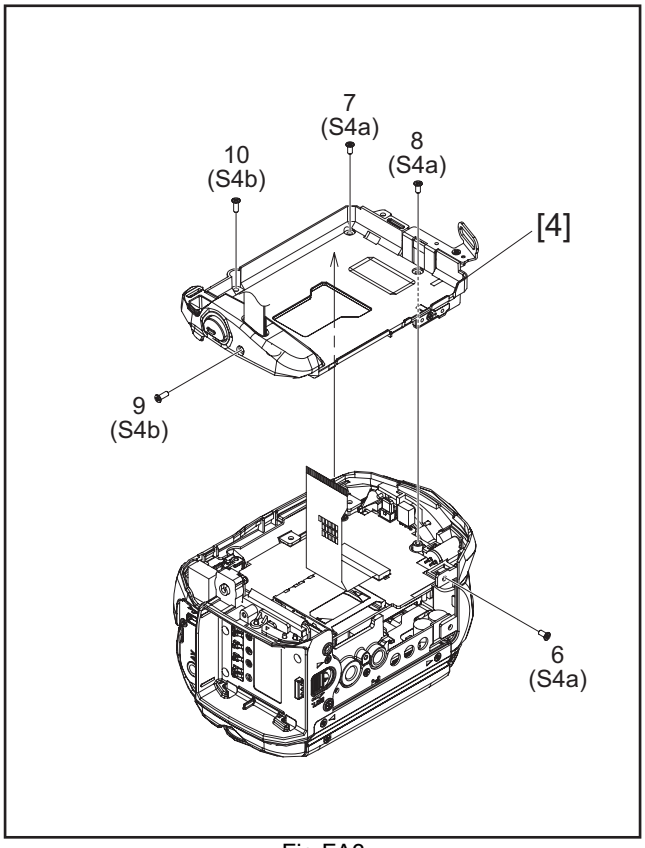


Fig.FA3

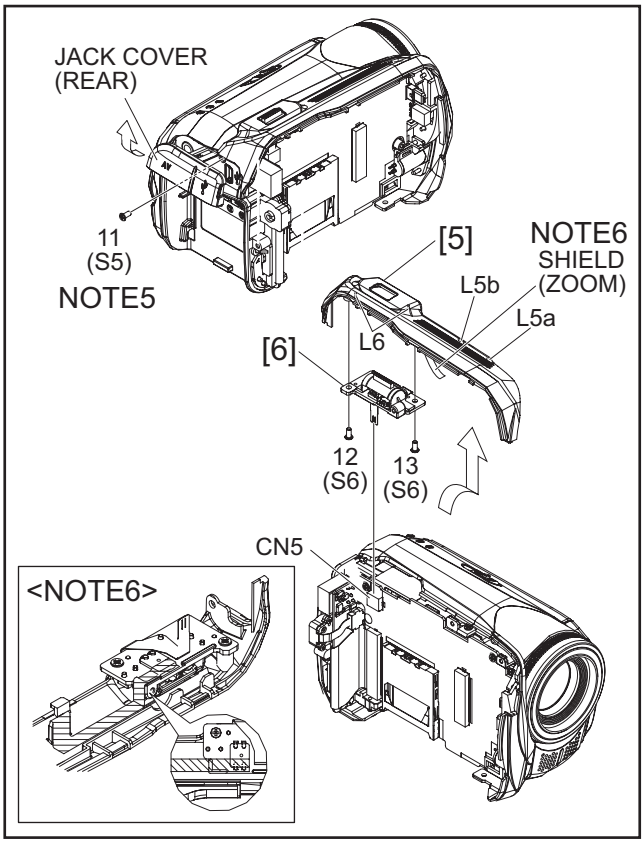


Fig.FA4

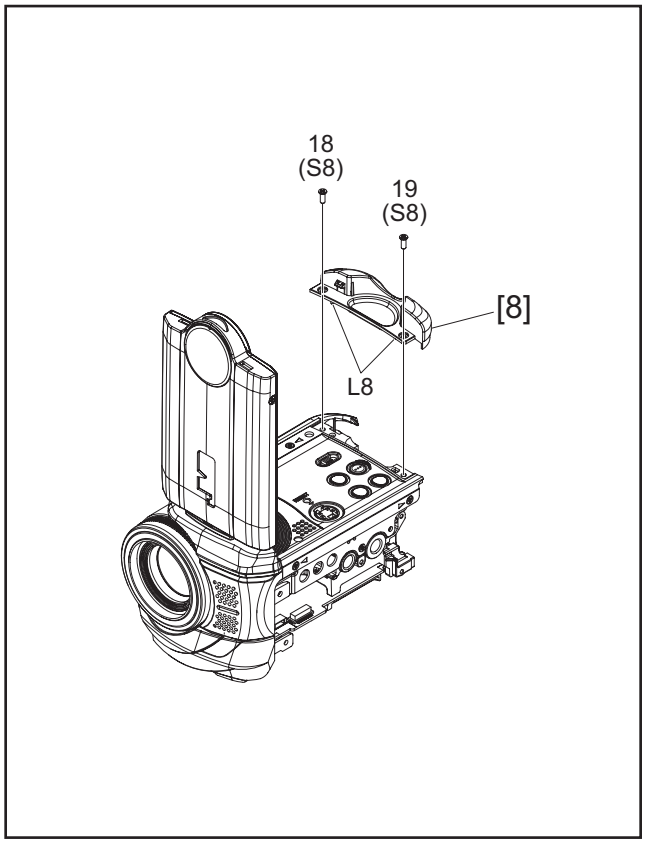


Fig.FA6

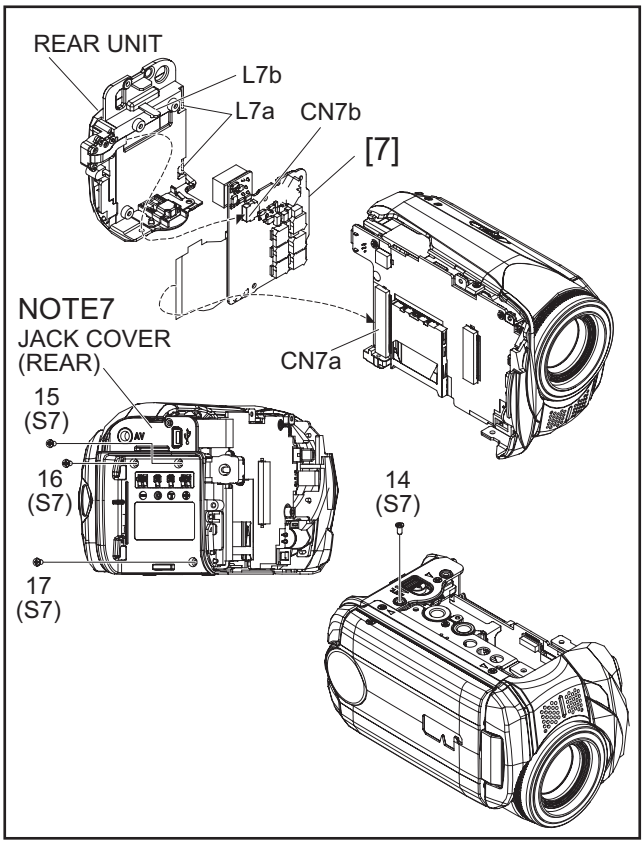


Fig.FA5

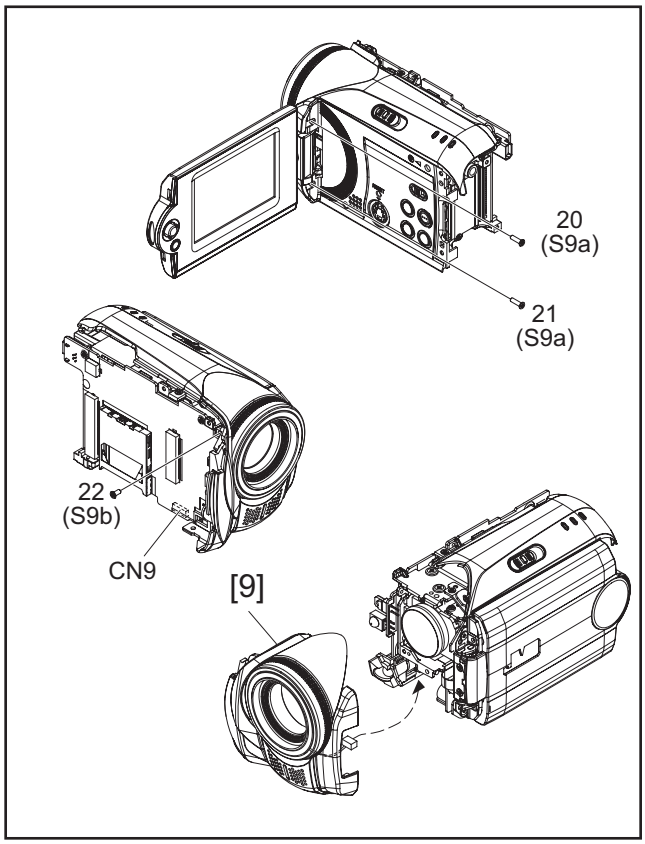


Fig.FA7

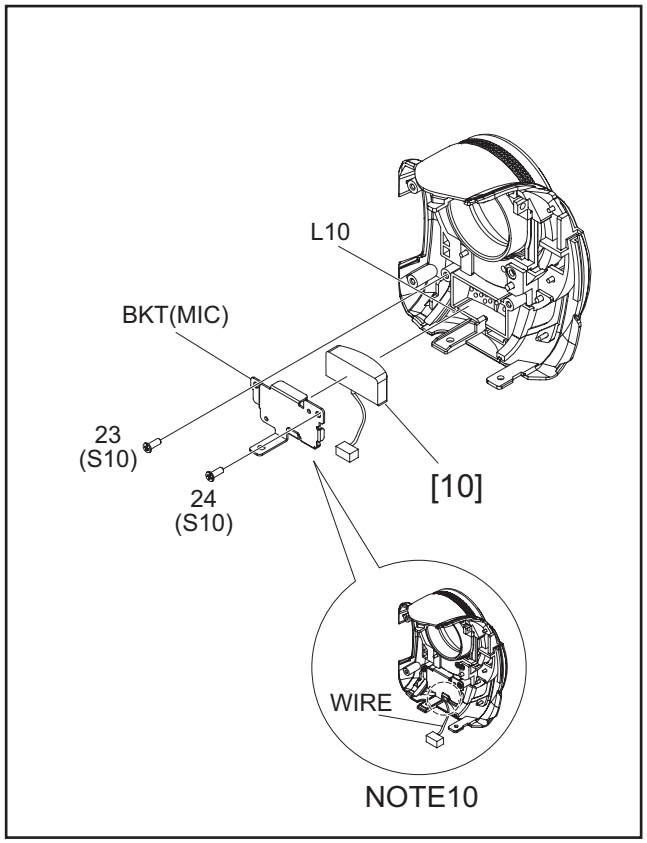


Fig.FA8

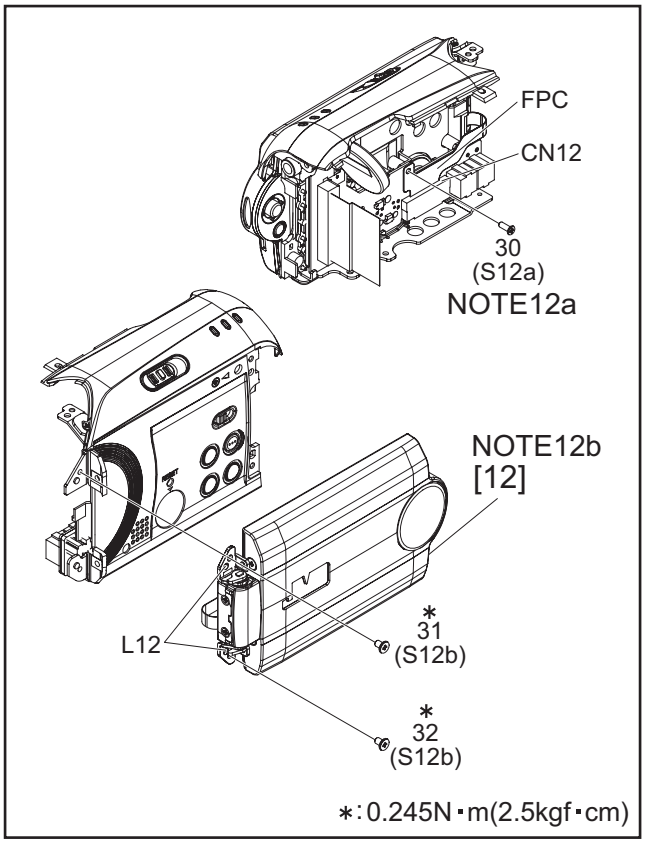


Fig.UA1

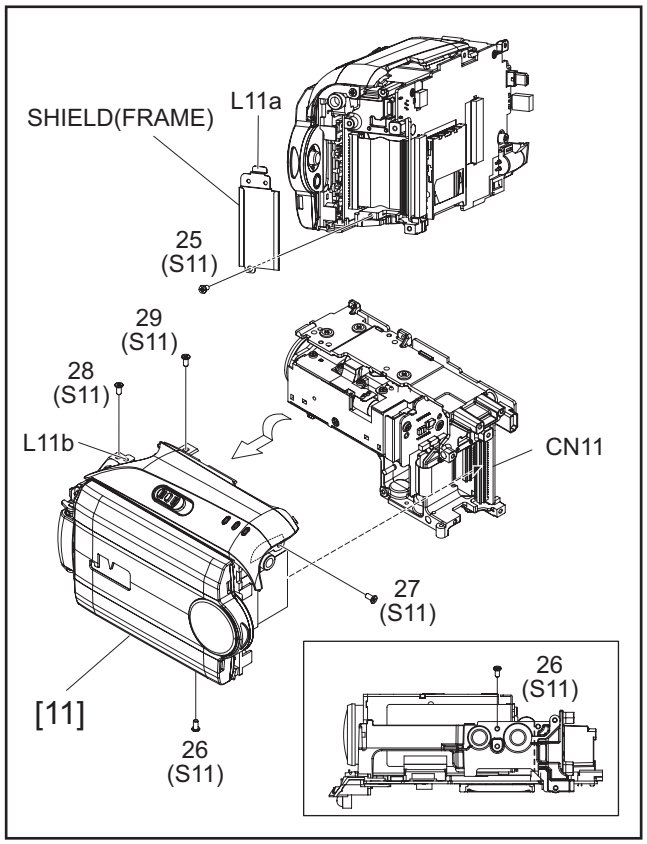


Fig.FA9

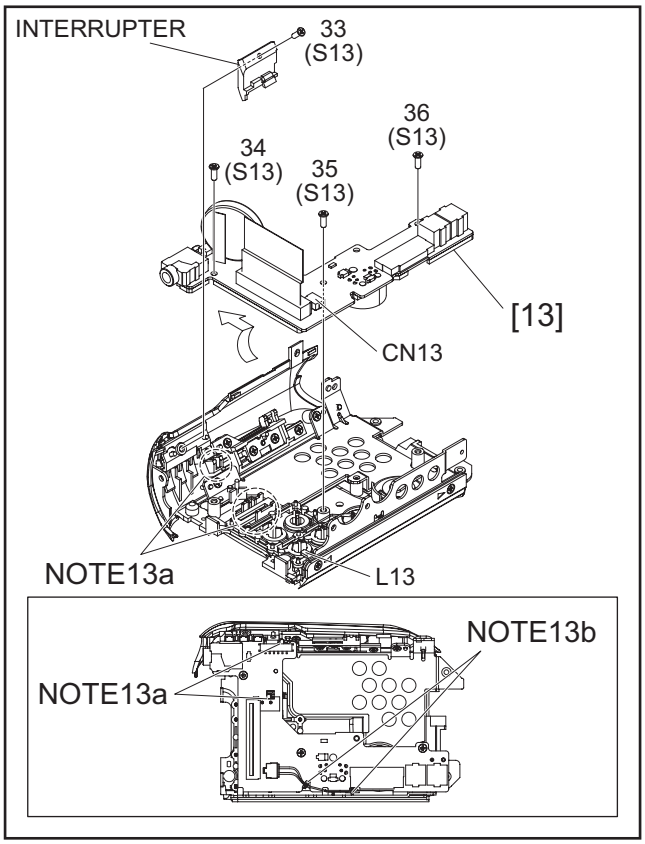


Fig.UA2

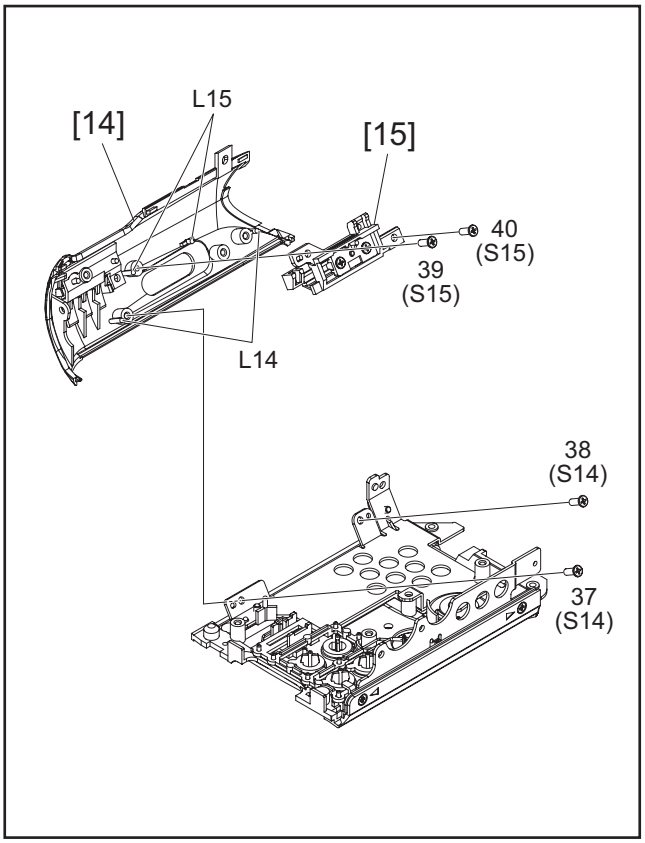


Fig.UA3

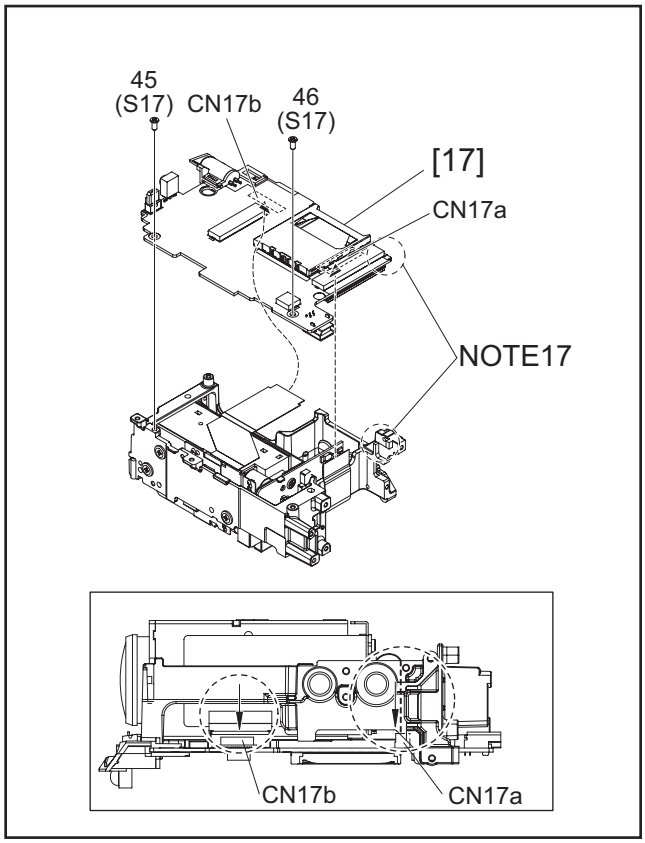


Fig.FA10

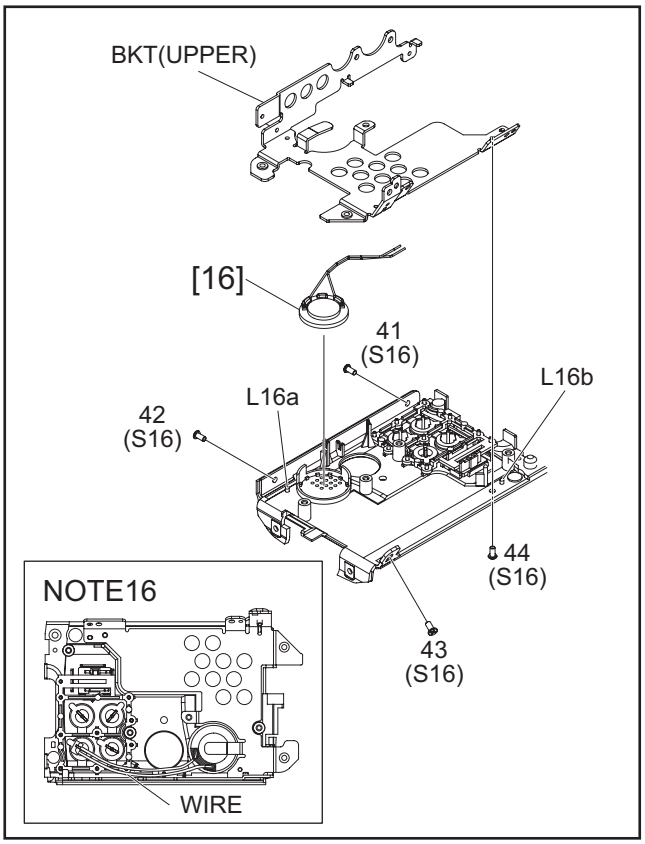


Fig.UA4

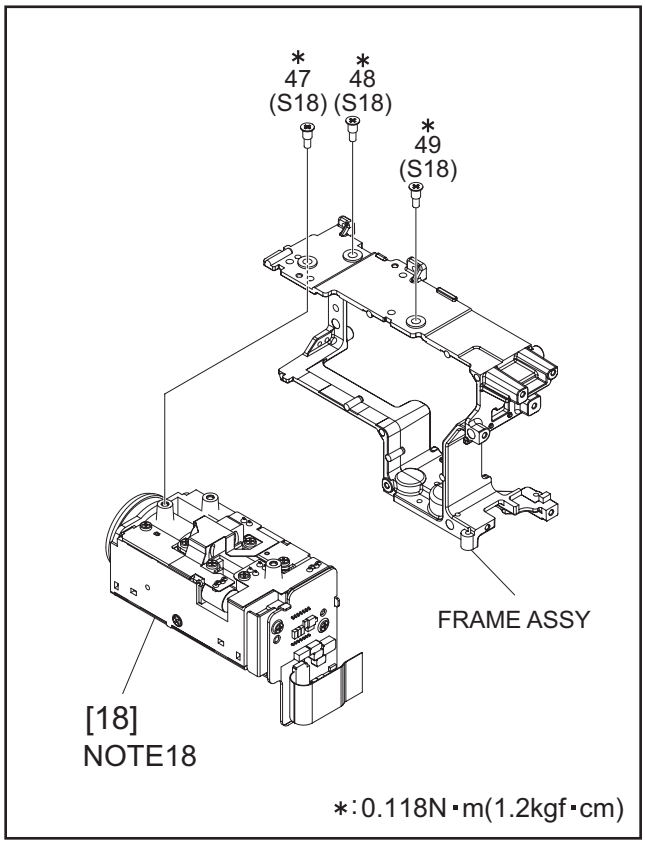


Fig.FA11

3.2.3 ASSEMBLY/DISASSEMBLY OF [12] MONITOR ASSEMBLY

●CAUTIONS

(1) Remove the MONITOR ASSEMBLY from the UPPER ASSEMBLY first, as they are removed together in main parts disassembly, and then proceed to the disassembly procedure.
(2) During the procedure, be careful in handling the LCD MODULE and other parts. Pay special attention not to damage or soil the monitor screen.If fingerprints are left on the screen, wipe them with clean chamois leather or a cleaning cloth.

●Removing MONITOR ASSEMBLY

(1) Turn the HINGE UNIT ASSEMBLY 90°, and remove the three screws (1-3). Remove the MONITOR COVER ASSEMBLY by removing the six hooks (L12a-f).
(2) Pull out the U/D SWITCH BOARD from the MONITOR CASE ASSEMBLY.

NOTE12a:

During the procedure, be careful in handling the FPC.

(3) Release the lock of the connector (CN12a,b), and remove the HINGE UNIT by lifting it up.
(4) Release the lock of the connector (CN12c,d), and pull out the FPC.
(5) Remove the two screws (4,5), and Remove the MONI-BL BOARD ASSEMBLY by removing the hook (L12h).
(6) Remove the BACK LIGHT.
(7) Remove the LCD MODULE.
(8) Remove the LCD BKT.

●Removing HINGE UNIT ASSEMBLY

(1) Remove the two screws (6,7), and then remove the HINGE COVER (U,L).

NOTE12b:

During the procedure, be careful in handling the MAGNET and be careful with its attachment direction. Make sure to attach the MAGNET with its mark facing inward.

NOTE12c:

During the procedure, be careful in handling the FPC.

NOTE12d:

The FPC, with its connection to the MONITOR BOARD ASSEMBLY facing inward, is rolled around the axis (shaft) of the HINGE ASSEMBLY rotation 2.5 rounds (2.5times).

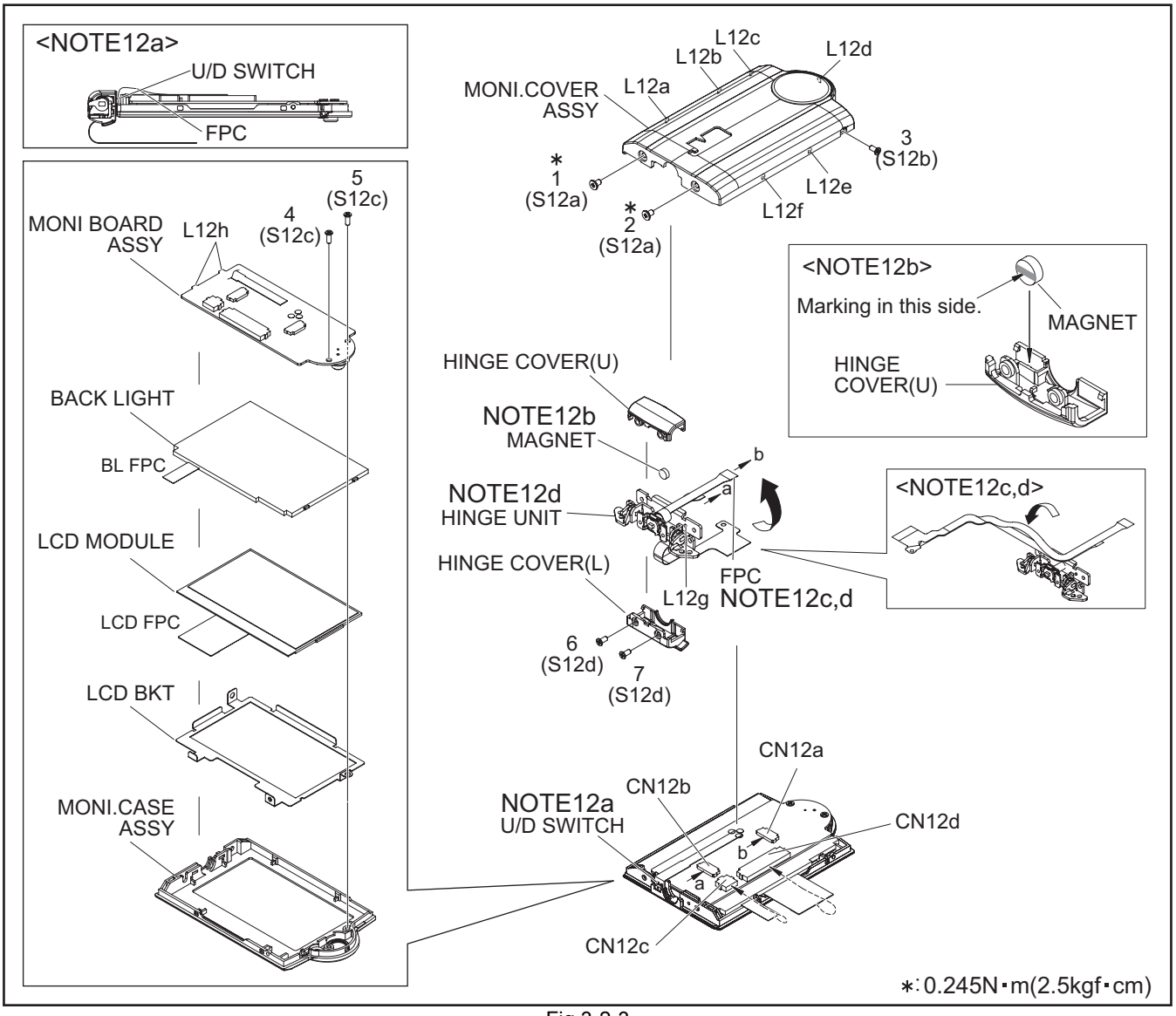


Fig.3-2-3

3.2.4 ASSEMBLY/DISASSEMBLY OF [18] OP BLOCK ASSEMBLY/CCD BOARD ASSEMBLY

●Precautions

(1) Take care in handling the CCD IMAGE SENSOR, OPTICAL LPF and lens components when performing maintenance etc., especially with regard to surface contamination, attached dust or scratching. If fingerprints are present on the surface they should be wiped away using either a silicon paper, clean chamois or the cleaning cloth.

(2) The CCD IMAGE SENSOR may have been shipped with a protective sheet attached to the transmitting glass. When replacing the CCD IMAGE SENSOR, do not peel off this sheet from the new part until immediately before it is mounted in the OP BLOCK ASSEMBLY.

(3) As the attachment direction of the OPTICAL LPF is important, be careful when removing it. Make sure to reattach the OP LPF in its original direction.

●Disassembly of OP BLOCK ASSEMBLY / CCD BOARD ASSEMBLY

(1) Unsolder the fourteen soldered points (SD18a) of the CCD BOARD ASSEMBLY.

(2) Remove the two screws (1, 2), and then remove the CCD BOARD ASSEMBLY, SHIELD CCD and the CCD BASE ASSEMBLY.

NOTE18a:

Be careful in handling as there are only the OPTICAL LPF and the SHEET stored inside the OP BLOCK ASSY when the CCD BASE ASSY is removed.

NOTE18b:

Replace the CCD IMAGE SENSOR as a CCD BASE ASSEMBLY, not as a single part replacement.

●Assembly of OP BLOCK ASSEMBLY / CCD BOARD ASSEMBLY

(1) Set the OPTICAL LPF first, and then the SHEET to the OP BLOCK ASSEMBLY.

NOTE18c:

Pay careful attention to the orientation of the OPTICAL LPF.

(2) Attach the CCD BASE ASSEMBLY first then the SHIELD CCD, CCD BOARD ASSEMBLY so that the SHEET stays in place, and tighten with the two screws (1, 2).

(3) Solder the 14 points (SD18a) on the CCD BOARD ASSY.

●Replacement of service repair parts

The service repair parts for the OP BLOCK ASSEMBLY are as listed below.Take special care not to disconnect any of the FPC wires or cause any damage due to soldering (excessive heating).

(1) FOCUS MOTOR UNIT

(2) ZOOM MOTOR UNIT

(3) AUTO IRIS UNIT

NOTE18d:

When replacing the FOCUS MOTOR UNIT or the ZOOM MOTOR UNIT, solder the FPC at a space of about 0.5 mm above the terminal pin.

NOTE 18e:

The AUTO IRIS UNIT includes the FPC ASSEMBLY and two sensors.

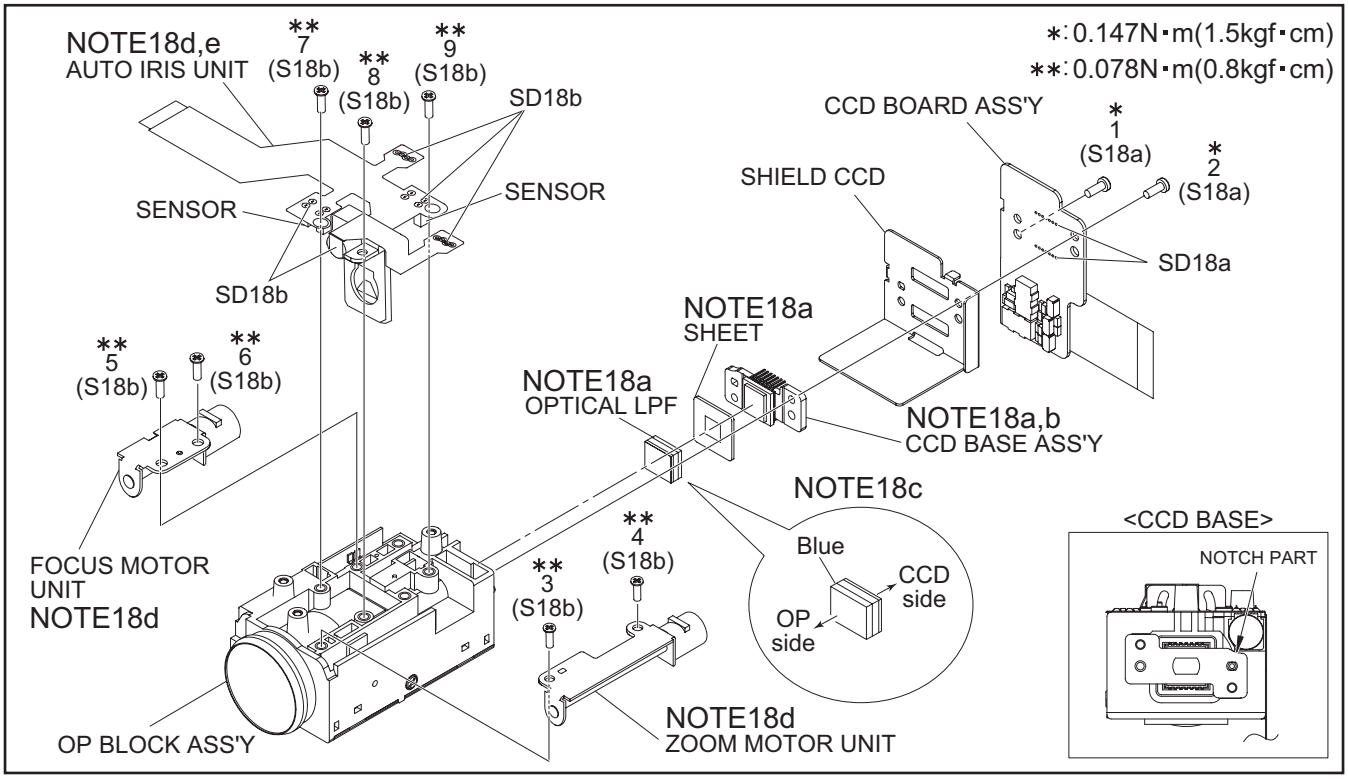


Fig.3-2-4

SECTION 4
ADJUSTMENT

4.1 PREPARATION

4.1.1 Precaution

Camera system and deck system of this model are specially adjusted by using PC.

However, if parts such as the following are replaced, an adjustment is required. The adjustment must be performed in a Service Center equipped with the concerned facilities.

- OP BLOCK ASSEMBLY
- MONITOR ASSEMBLY
- EEP ROM (IC4502 of MAIN board)

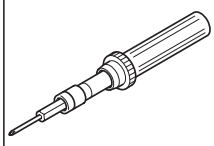
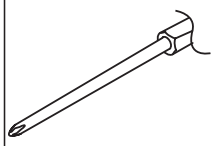
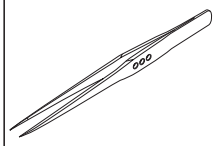
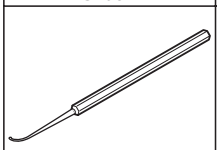
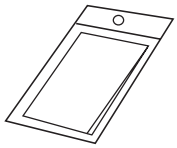
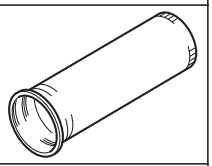
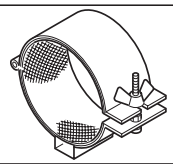
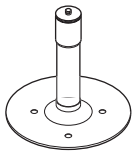
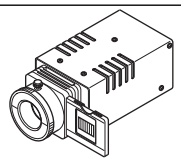
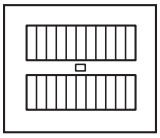
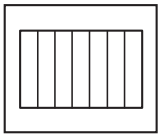
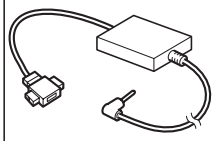
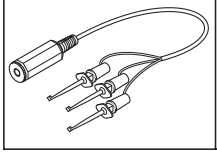
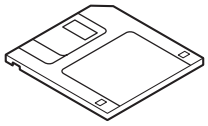
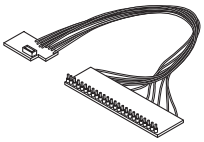
In the event of malfunction with electrical circuits, first find a defective portion with the aid of proper test instruments as shown in the following electrical adjustment procedure, and then commence necessary repair/ replacement/adjustment.

- In observing chip TP, use IC clips, etc. to avoid any stress. Prior to replacement of chip parts (especially IC), remove the solder completely to prevent peeling of the pattern.
- Use a patch cord if necessary. As for a patch cord, see the BOARD INTERCONNECTIONS.
- Since connectors are fragile, carefully handle them in disconnecting and connecting the FPC.

4.1.2 REQUIRED TEST EQUIPMENT

- Personal computer (for Windows)
- Color TV monitor
- Oscilloscope (dual-trace type, observable 100MHz or higher frequency). The one observable 300 MHz or higher frequency is recommended.
- Digital voltmeter
- DC power supply or AC adapter
- Frequency counter (with threshold level adjuster)

4.1.3 TOOLS REQUIRED FOR ADJUSTMENT

Torque Driver YTU94088	Bit YTU94088-003	Tweezers P-895
		
Chip IC Replacement Jig PTS40844-2	Cleaning Cloth KSMM-01	INF Adjustment Lens YTU92001B
		
INF Adjustment Lens Holder YTU94087	Mini Stand YTU93108	Light box Assembly YTU93096A
		
Gray Scale Chart YTU94133A	Color Bar Chart YTU94133C	PC Cable QAM0099-005
		
Communication Cable YTU93107B	Service Support System YTU94057-94	Jig Connector Cable YTU93106A
		

- **Torque driver**
  Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
- **Bit**
  This bit is slightly longer than those set in conventional torque drivers.
- **Tweezers**
  To be used for removing and installing parts and wires.
- **Chip IC replacement jig**
  To be used for adjustment of the camera system.
- **Cleaning cloth**
  Recommended the Cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.
- **INF adjustment lens**
  To be used for adjustment of the camera system. For the usage of the INF adjustment lens, refer to the Service Bulletin No. YA-SB-10035.

- **INF adjustment lens holder**
  To be used together with the Camera stand for operating the Videocamera in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring. For the usage of the INF lens holder, refer to the Service Bulletin No. YA-SB-10035.
- **Mini stand**
  To be used together with the INF adjustment lens holder. For the usage of the Mini stand, refer to the Service Bulletin No. YA-SB-10035.
- **Light box assembly**
  To be used for adjustment of the camera system. For the usage of the Light box assembly, refer to the Service Bulletin No. YA-SB-10035.
- **Gray scale chart**
  To be used for adjustment of the camera system. For the usage of the INF adjustment lens, refer to the Service Bulletin No. YA-SB-10035.
- **Color bar chart**
  To be used for adjustment of the camera system. For the usage of the INF adjustment lens, refer to the Service Bulletin No. YA-SB-10035.
- **PC cable**
  To be used to connect the Videocamera and a personal computer with each other when a personal computer issued for adjustment.
- **Communication cable**
  Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.
- **Service support system**
  To be used for adjustment with a personal computer. Software can be downloaded also from JS-net.
- **Jig connector cable**
  Connected to JIG CONNECTOR of the main board and used for electrical adjustment, etc.

4.2 JIG CONNECTOR CABLE CONNECTION

■ Connection procedure

NOTE

Be sure to turn the power “OFF”, when connecting the JIG CONNECTOR CABLE.
If the JIG CONNECTOR CABLE is connected with the power “ON”, communication error may occur.

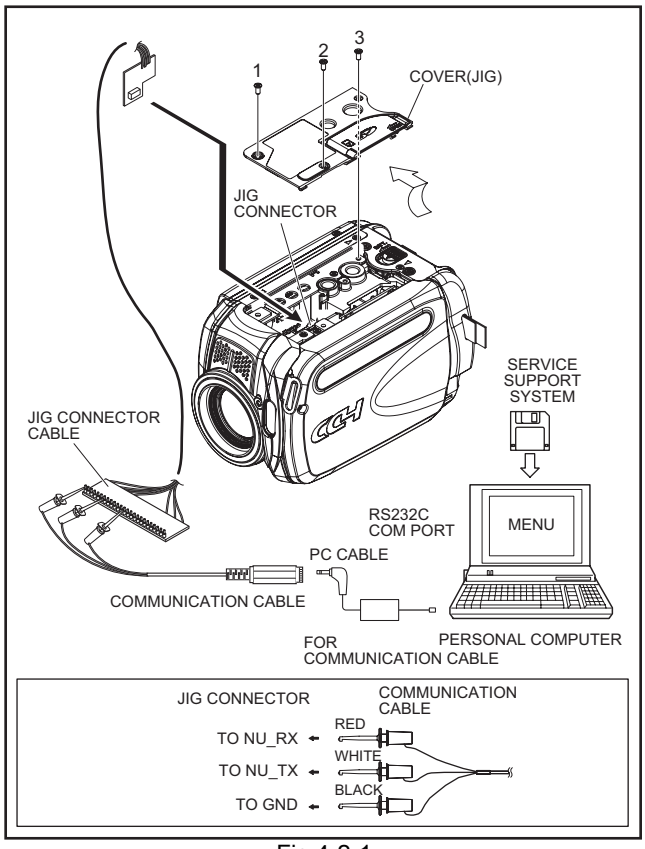
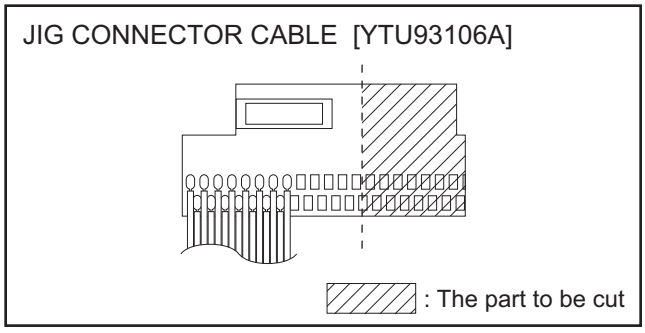


Fig.4-2-1

CAUTION

The JIG CONNECTOR CABLE cannot be connected with the COVER (JIG) removed because of its structure. It is necessary to cut a part of the connector board as shown below. Pay special attention during the procedure.



■ **Jig connector diagrams**

JIG CONNECTOR CABLE (YTU93106A)

MAIN CN110

ARMTDO	1		
ARMTCK		16	
ARMTMS	2		
ARMTDI		17	
XARMTRST	3		
XJRESET		18	
REG_3.1V	4		
NU_RX		19	
NU_TX	5		
AL_3.1V		20	
SJIG_TX	6		
SJIG_RX		21	
MODO	7		
SJIG_RST		22	
NC	8		
GND		23	
MON_B	9		
HRP		24	
MON_R	10		
GND		25	
MON_G	11		
NC		26	
VDCVF	12		
NC		27	
NC	13		
ZGH_OUT		28	
ZGH_THRU	14		
SBD5		29	
SBT5	15		
WORD		30	

JIG CONN. BOARD (PIN NO.)

1	ARMTDO
2	ARMTMS
3	XARMTRST
4	REG_3.1V
5	NU_TX
6	SJIG_TX
7	MODO
8	NC
9	MON_B
10	MON_R
11	MON_G
12	VDCVF
13	NC
14	ZGH_THRU
15	SBT5
16	ARMTCK
17	ARMTDI
18	XJRESET
19	NU_RX
20	AL_3.1V
21	SJIG_RX
22	SJIG_RST
23	GND
24	HRP
25	GND
26	NC
27	NC
28	ZGH_OUT
29	SBD5
30	WORD

Fig.4-2-2

CABINET PARTS AND ELECTRICAL PARTS(1)

Symbol No.	[1]			[2]		[3]	[4]					[5]	[6]		[7]				[8]		[9]			[10]	
Removing order of screw	1	2	3	4	5	-	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Place to stick screw	*	*	*	*	*	-	*	*	*			*			*	*	*	*					*		
Reference drawing (Fig.No.)	CA1			FA1		FA2	FA3					FA4			FA5				FA6		FA7			FA8	
Screw tightening torque	a																								

CABINET PARTS AND ELECTRICAL PARTS(2)

Symbol No.	[11]					[12]			[13]				[14]		[15]		[16]				[17]		[18]		
Removing order of screw	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Place to stick screw	*	*	*	*	*		*	*									*	*	*	*	*	*			
Reference drawing (Fig.No.)	FA9					UA1			UA2				UA3				UA4				FA10		FA11		
Screw tightening torque	a						b		a														c		

[12]MONITOR ASSY

Symbol No.	[12]						
Removing order of screw	1	2	3	4	5	6	7
Place to stick screw	*	*	*			*	*
Reference drawing (Fig.No.)	3-2-3						
Screw tightening torque	b	a					

[18]OP BLOCK ASSY/CCD BOARD ASSY

[18]								
1	2	3	4	5	6	7	8	9
3-2-4								
d	e							

NOTE:

1) * and ** (This mark shows where to attach the screws) : Do not reuse the screws because the screw lock bond was applied to prevent the screws from loosening. Prepare the specified screws and use them in place of the removed screws.

2)Tightening torque for the screws

- There are setting limits of the torque value for the torque driver. If the value exceeds the setting value, take it as a rough measurement (reference value), and tighten the screw manually.
- The specified torque value is a recommended value of the initial assembly. Therefore, set the value below the specified torque value in the assembling procedure. Be careful not to break either the screws or the screw holes.

a : 0.098N·m (1.0kgf·cm)　b : 0.245N·m (2.5kgf·cm)　c : 0.118N·m (1.2kgf·cm)　d : 0.147N·m (1.5kgf·cm)　e : 0.078N·m (0.8kgf·cm)

JVC
Victor Company of Japan, Limited
Camcorder Category 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YF137)

Printed in Japan
VPT

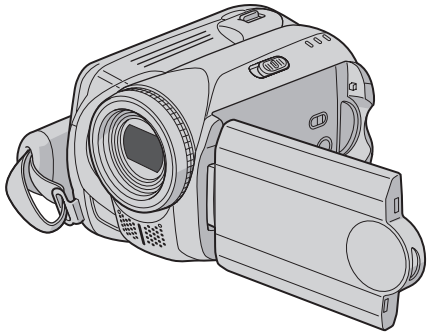
JVC

SCHEMATIC DIAGRAMS

HARD DISK CAMCORDER

GZ-MG21EK, GZ-MG21EX, GZ-MG21EY, GZ-MG21EZ, GZ-MG24EG, GZ-MG26EX, GZ-MG26EY, GZ-MG26EZ, GZ-MG36EK

CD-ROM No.SML200604



GZ-MG21EKM, GZ-MG21EXM, GZ-MG21EYM, GZ-MG21EZM [M6E324],
GZ-MG24EGM, GZ-MG26EXM, GZ-MG26EYM, GZ-MG26EZM [M6E334],
GZ-MG36EKM [M6E336]

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

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No.YF137SCH
2006/4

CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components indentified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
   Chip resistors are 1/16 W.
   K: KΩ(1000Ω), M: MΩ (1000KΩ)
2) All capacitance values are in μF, (P: PF).
3) All inductance values are in μH, (m: mH).
4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

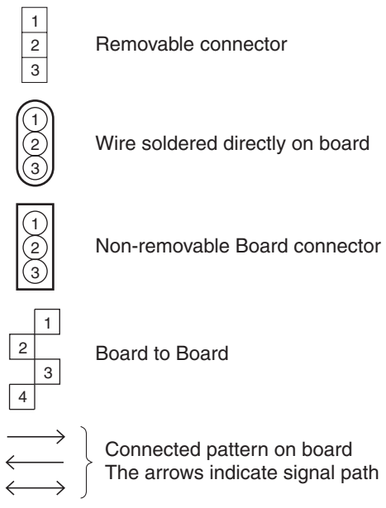
Note: The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only. When replacing the parts, refer to the Parts List.

2. Indications of control voltage

AUX : Active at high.

$\overline{AUX}$ or AUX(L) : Active at low.

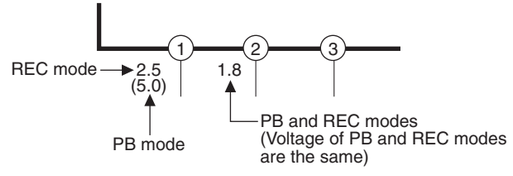
3. Interpreting Connector indications



Note: For the destination of each signal and further line connections that are cut off from the diagram, refer to "BOARD INTERCONNECTIONS"

4. Voltage measurement

1) Regulator (DC/DC CONV) circuits
   REC : Colour bar signal.
   PB : Alignment tape (Colour bar).
   — : Unmeasurable or unnecessary to measure.
2) Indication on schematic diagram
   Voltage indications for REC and PB mode on the schematic diagram are as shown below.

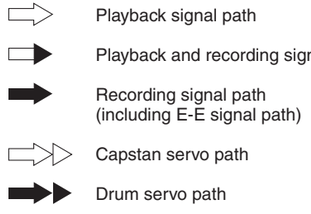


Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

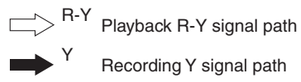
5. Signal path Symbols

The arrows indicate the signal path as follows.

NOTE : The arrow is DVC unique object.

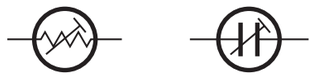


(Example)



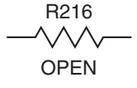
6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.



CIRCUIT BOARD NOTES

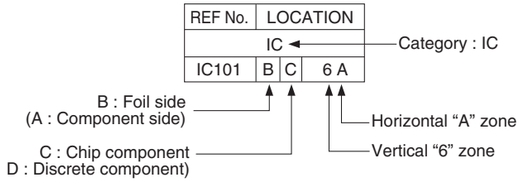
1. Foil and Component sides

1) Foil side (B side) :
   Parts on the foil side seen from foil face (pattern face) are indicated.
2) Component side (A side) :
   Parts on the component side seen from component face (parts face) indicated.

rts location are indicated by guide scale on the circuit board.

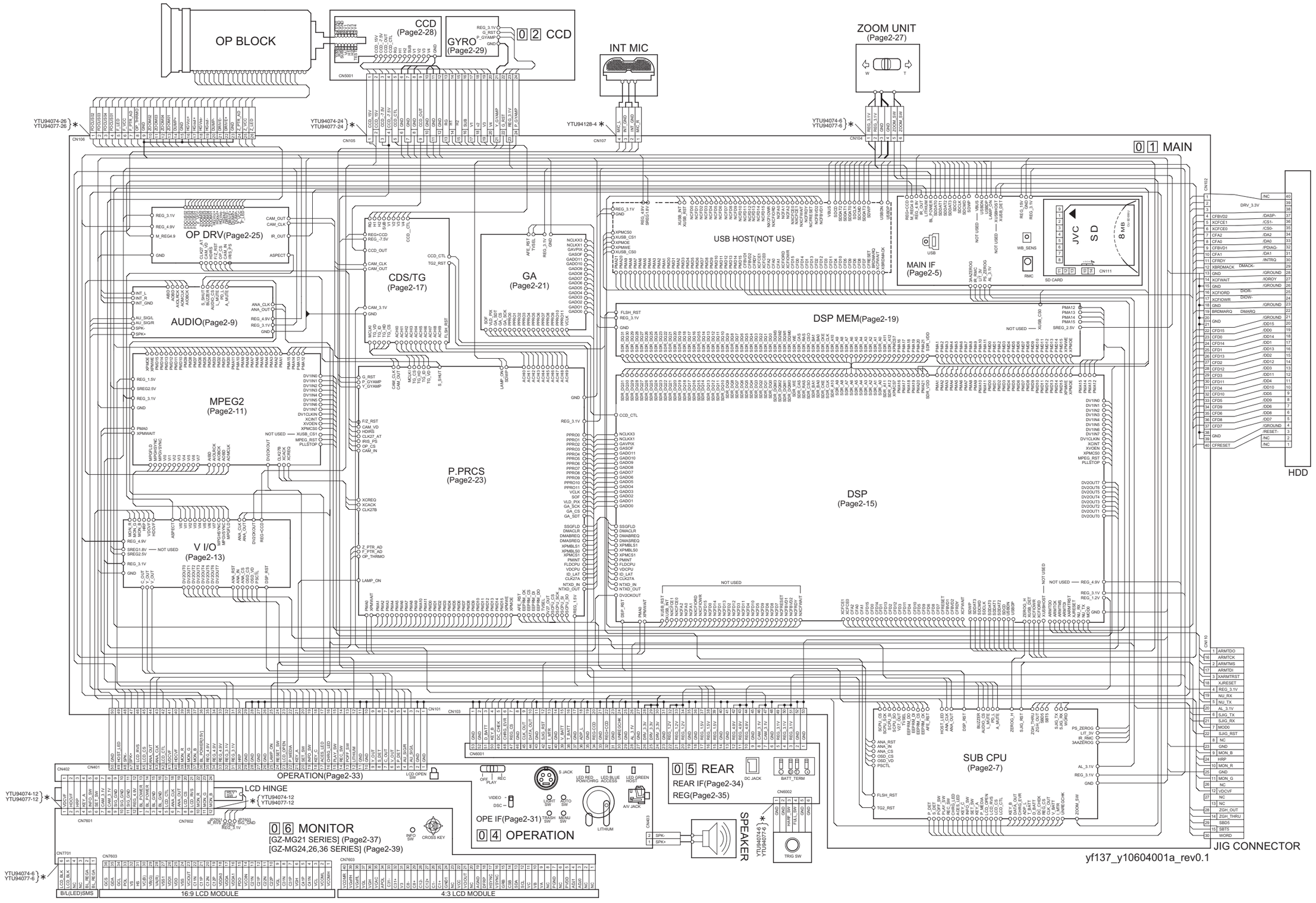
2. Parts location guides

Parts location are indicated by guide scale on the circuit board.



Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

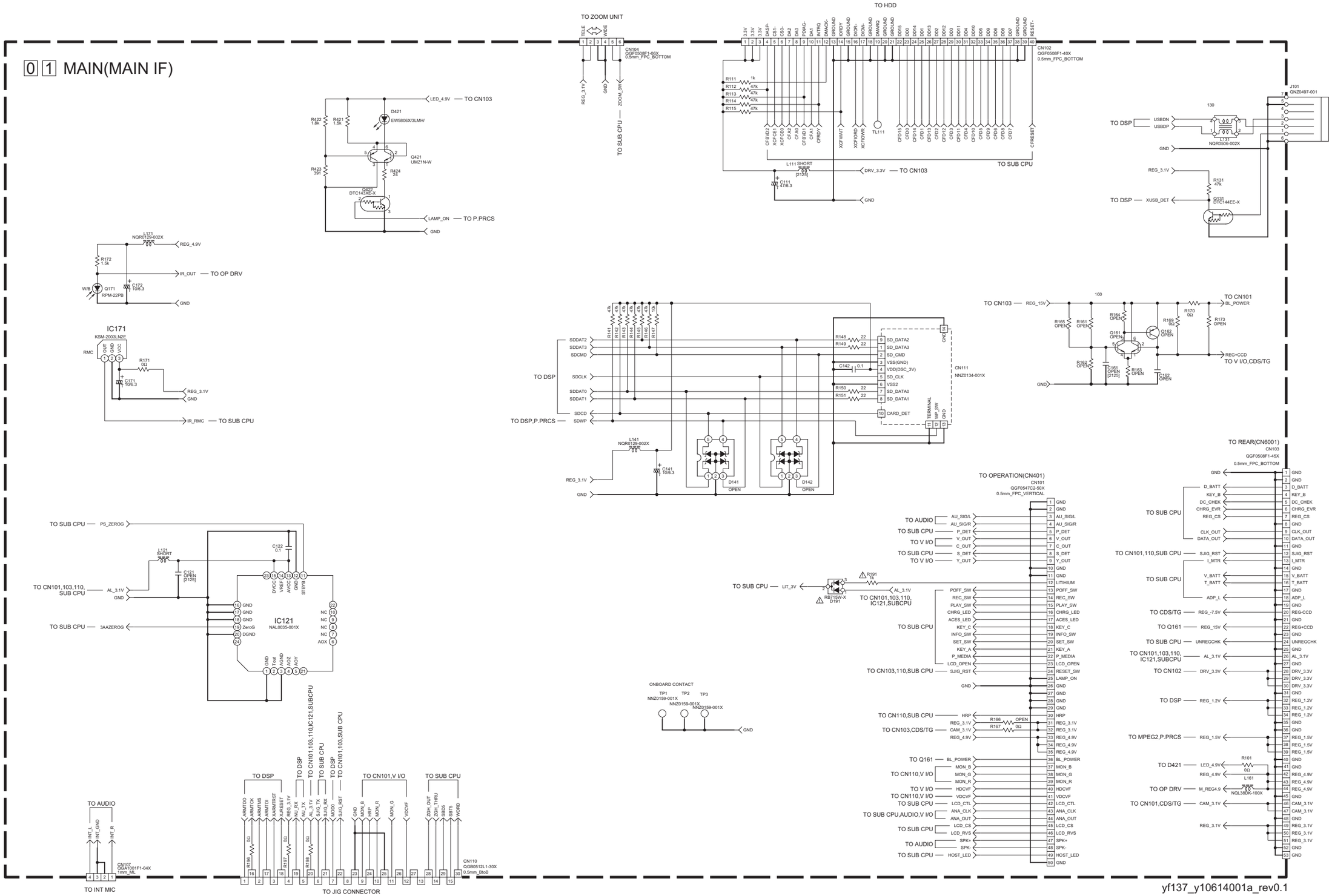
■ BOARD INTERCONNECTION



NOTES: The number of patch cords (∗) are indicated by interconnected.

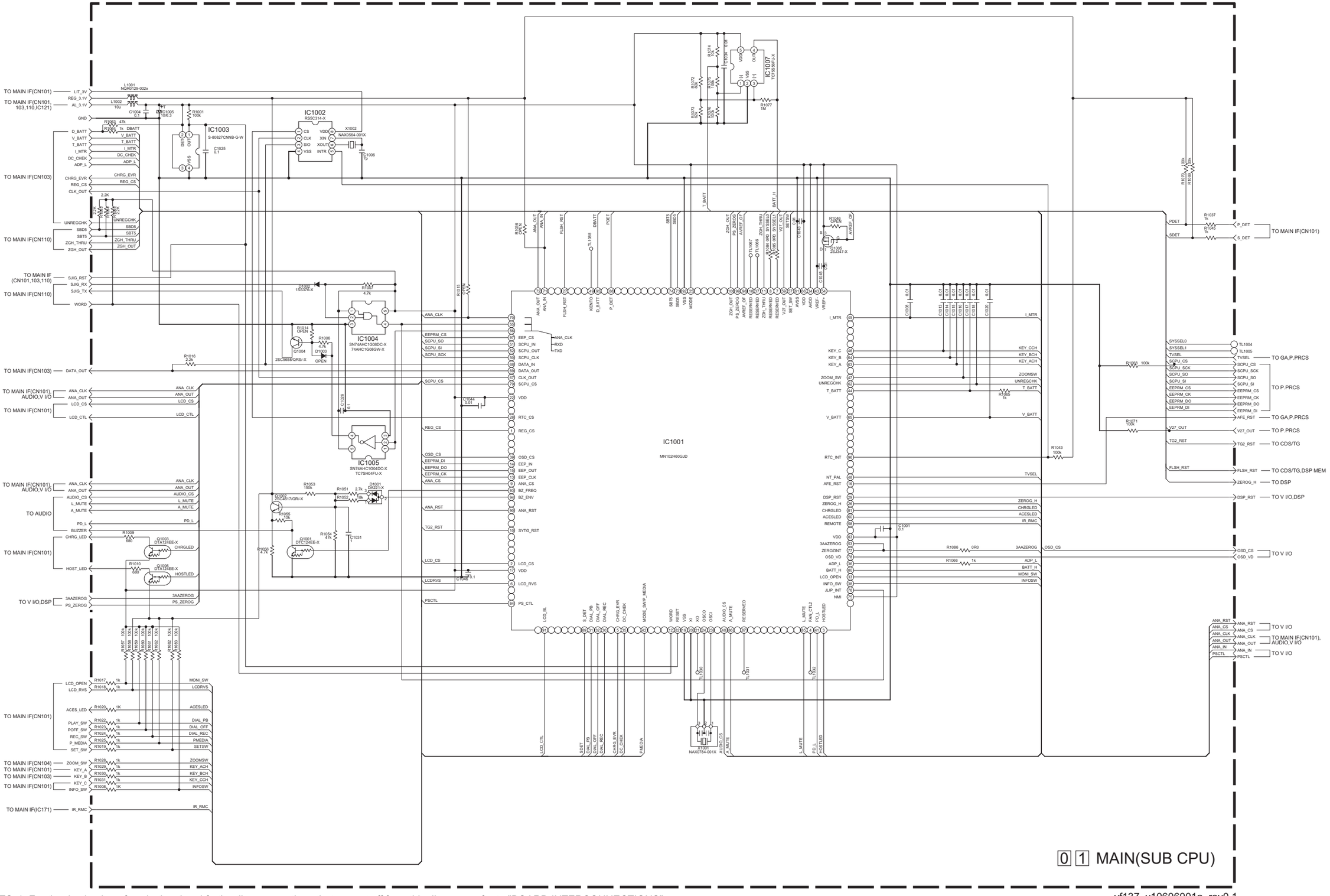
■ MAIN(MAIN IF) SCHEMATIC DIAGRAM

0 1 MAIN(MAIN IF)



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

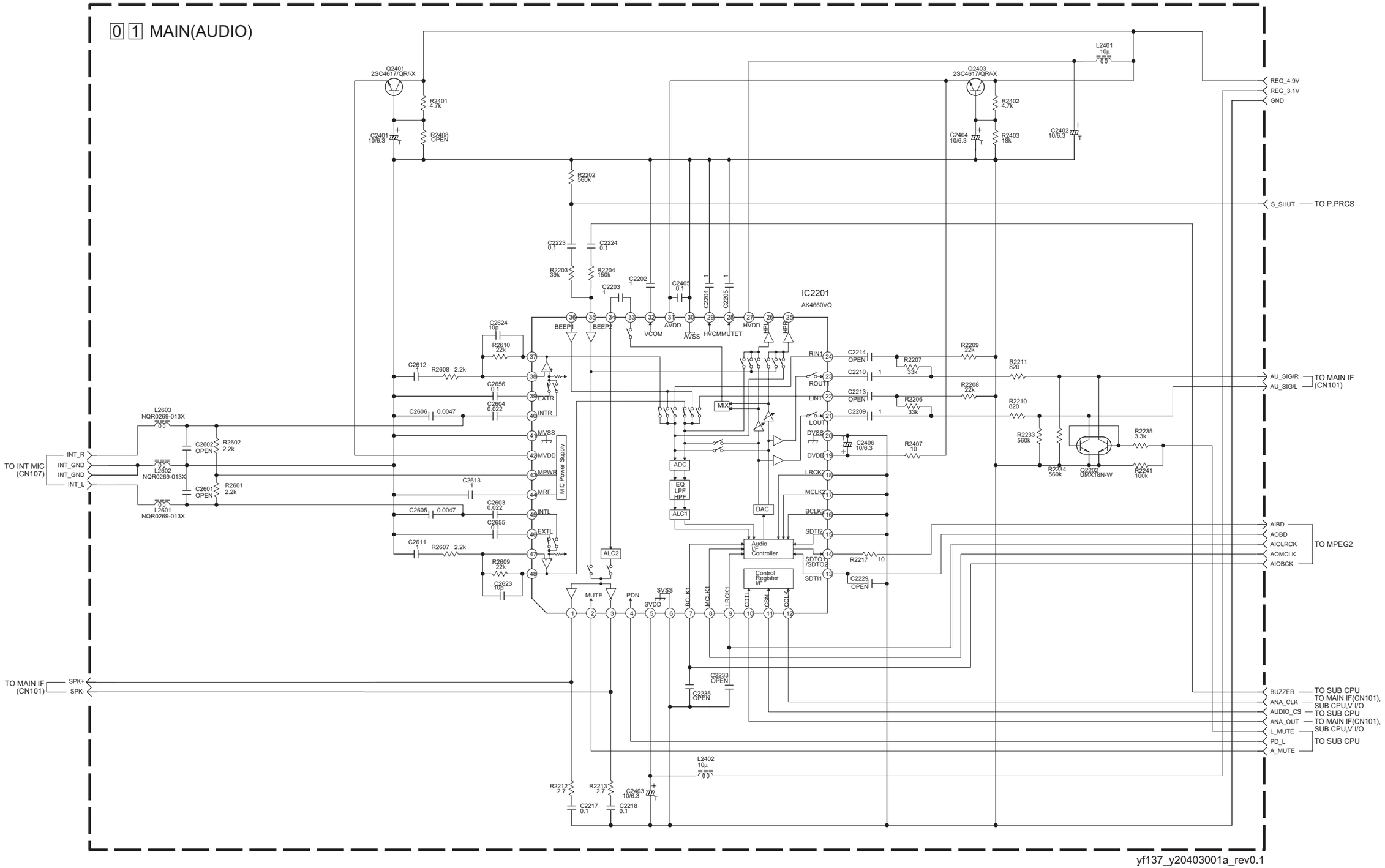
■ MAIN(SUB CPU) SCHEMATIC DIAGRAM



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

yf137_y10606001a_rev0.1

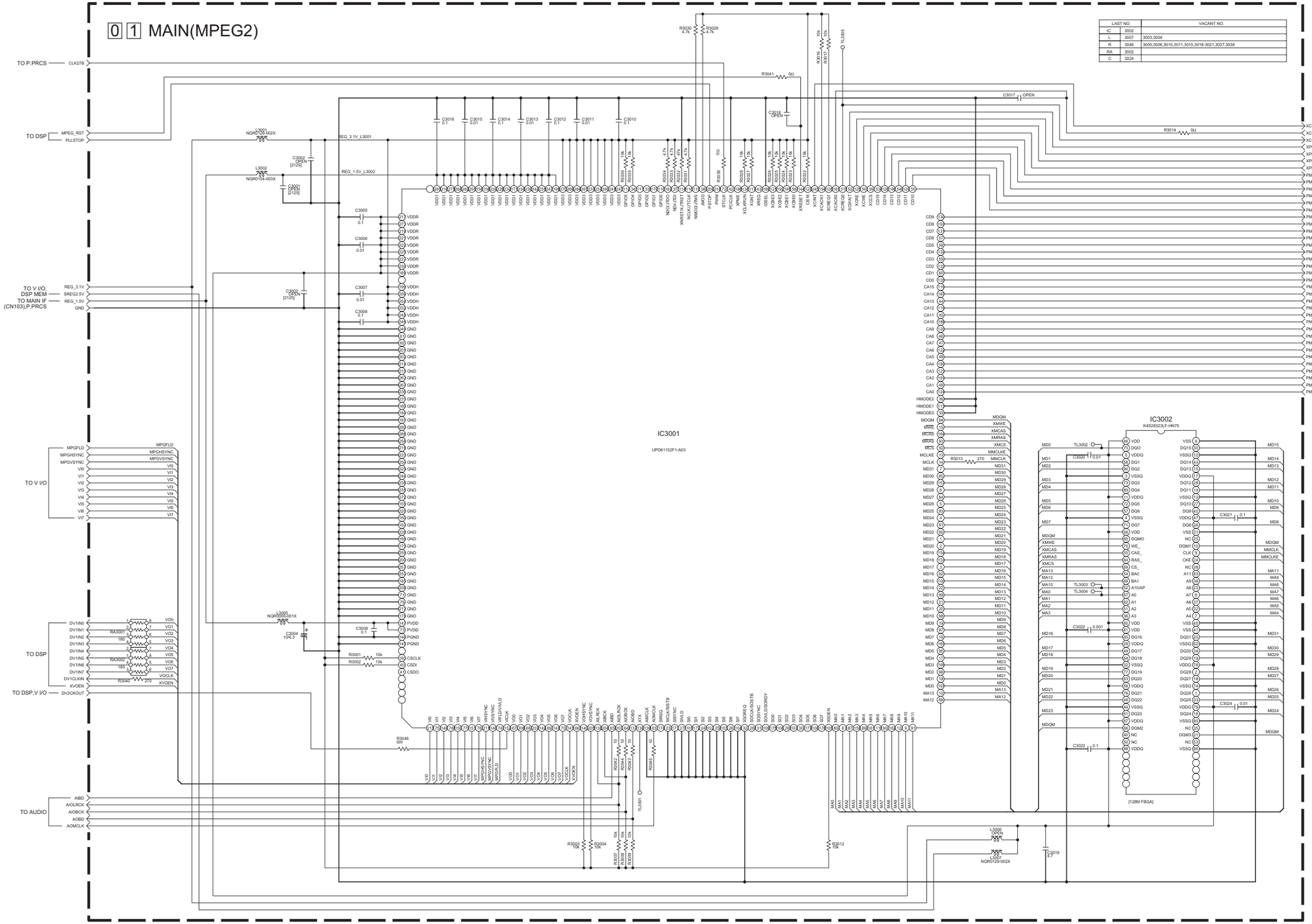
■ MAIN(AUDIO) SCHEMATIC DIAGRAM



yf137_y20403001a_rev0.1

NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

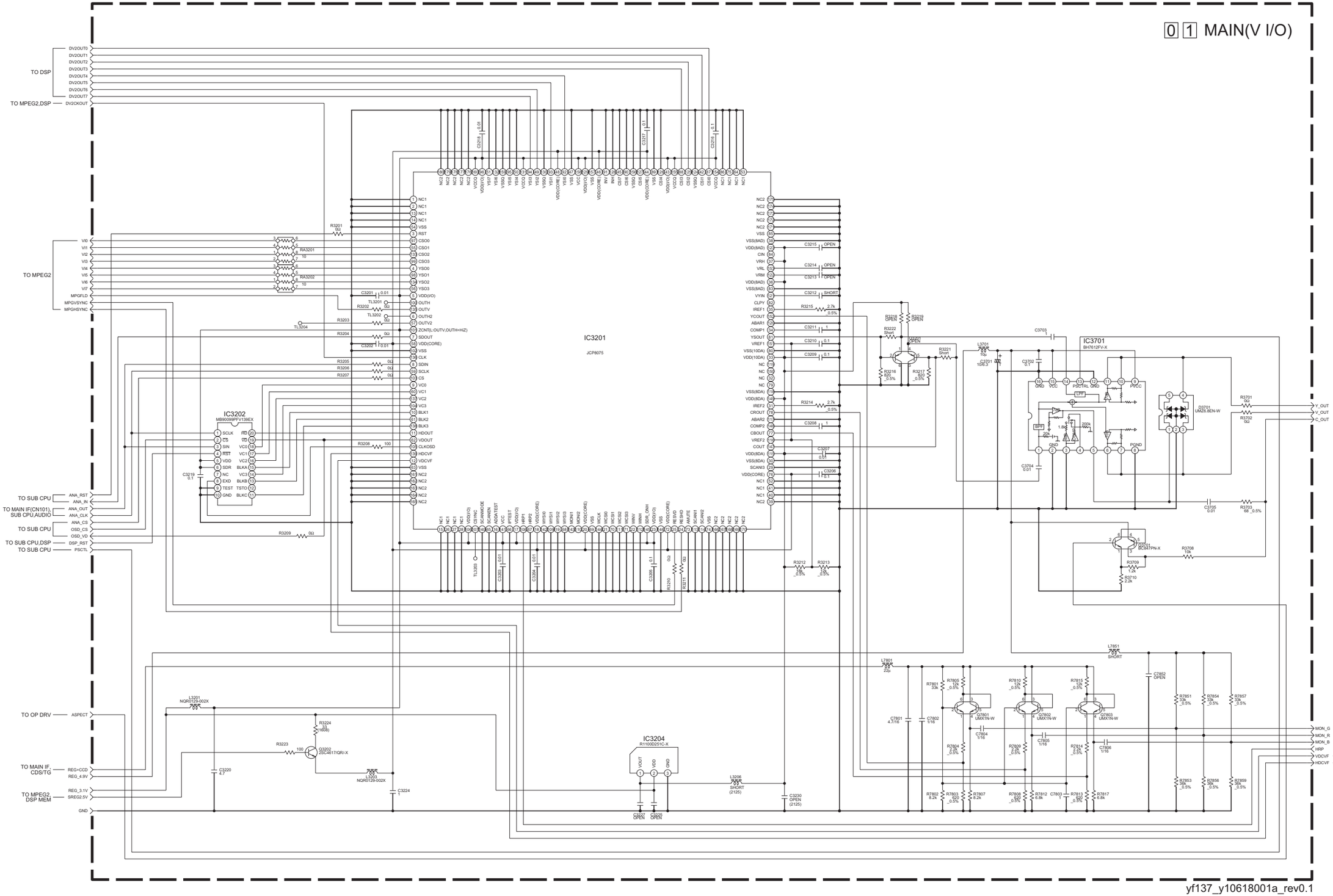
■ MAIN(MPEG2) SCHEMATIC DIAGRAM



yf137_y10617001a_rev0.1

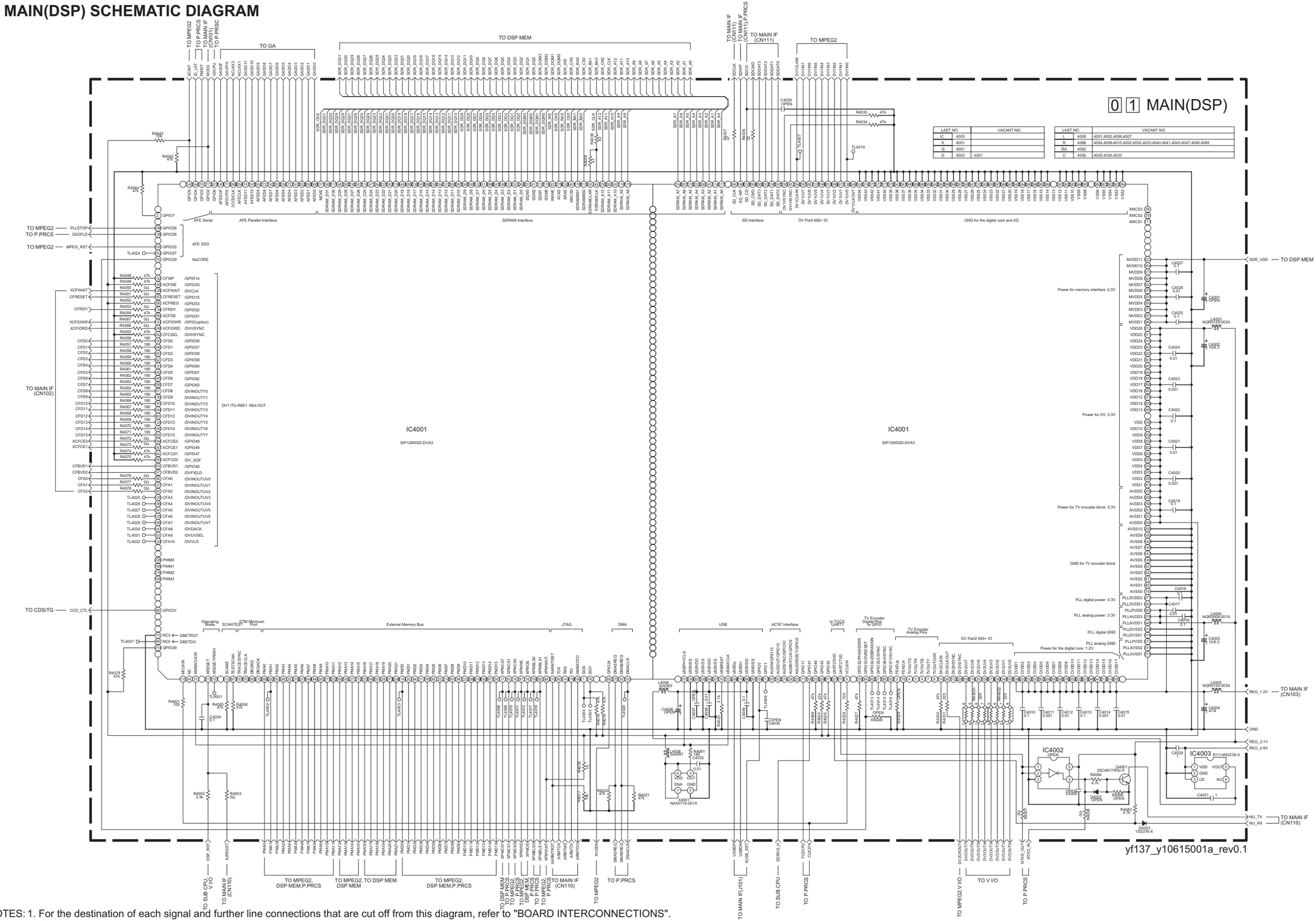
NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ MAIN(V I/O) SCHEMATIC DIAGRAM



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ MAIN(DSP) SCHEMATIC DIAGRAM

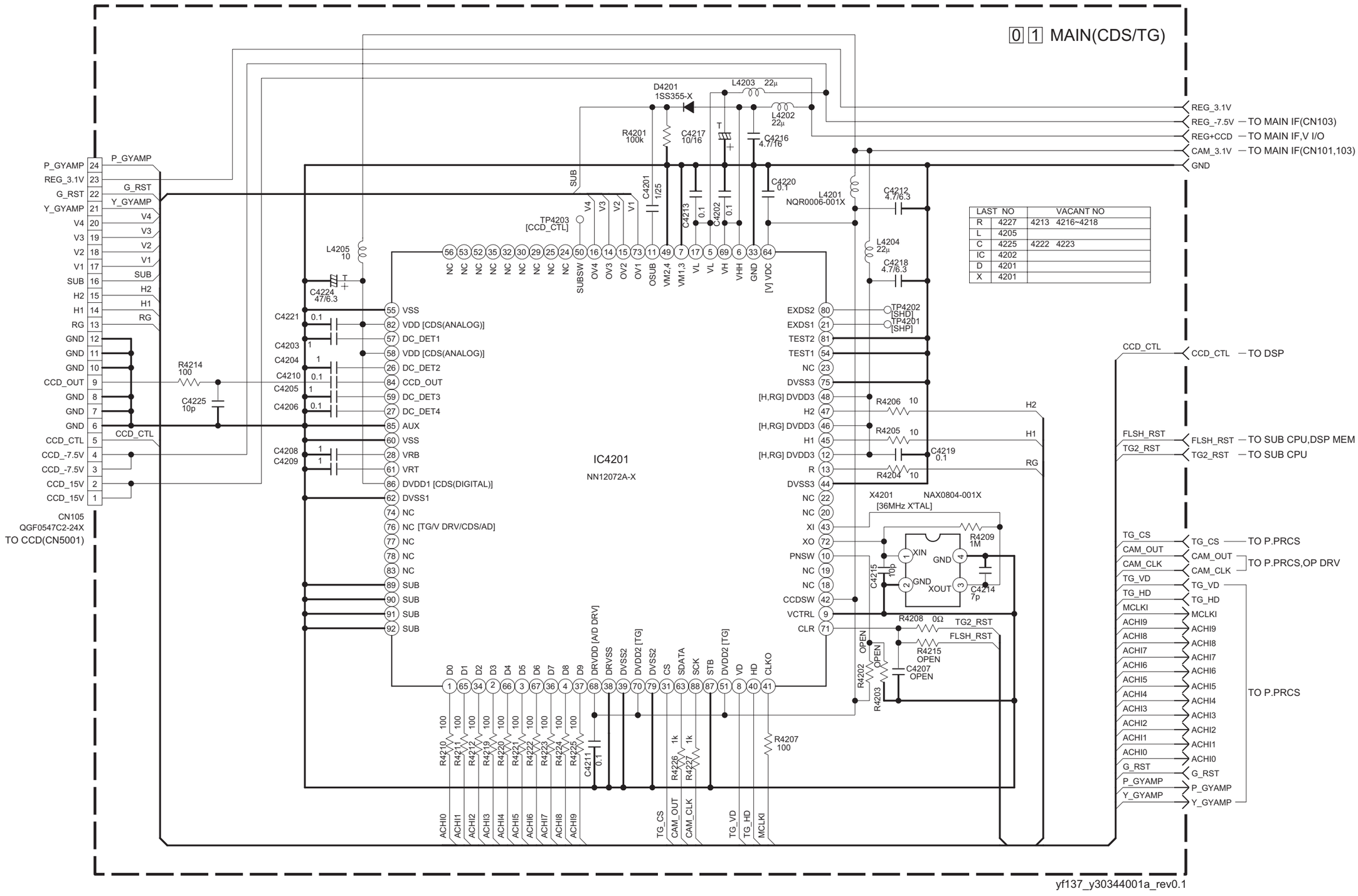


LAST NO.		VACANT NO.
IC	4003	
X	4001	
Q	4001	
D	4003	4001

LAST NO.		VACANT NO.
L	4008	4001,4002,4006,4007
R	4088	4004,4009-4015,4022,4032,4033,4040,4041,4045-4047,4080,4082
RA	4002	
C	4036	4005,4030,4033

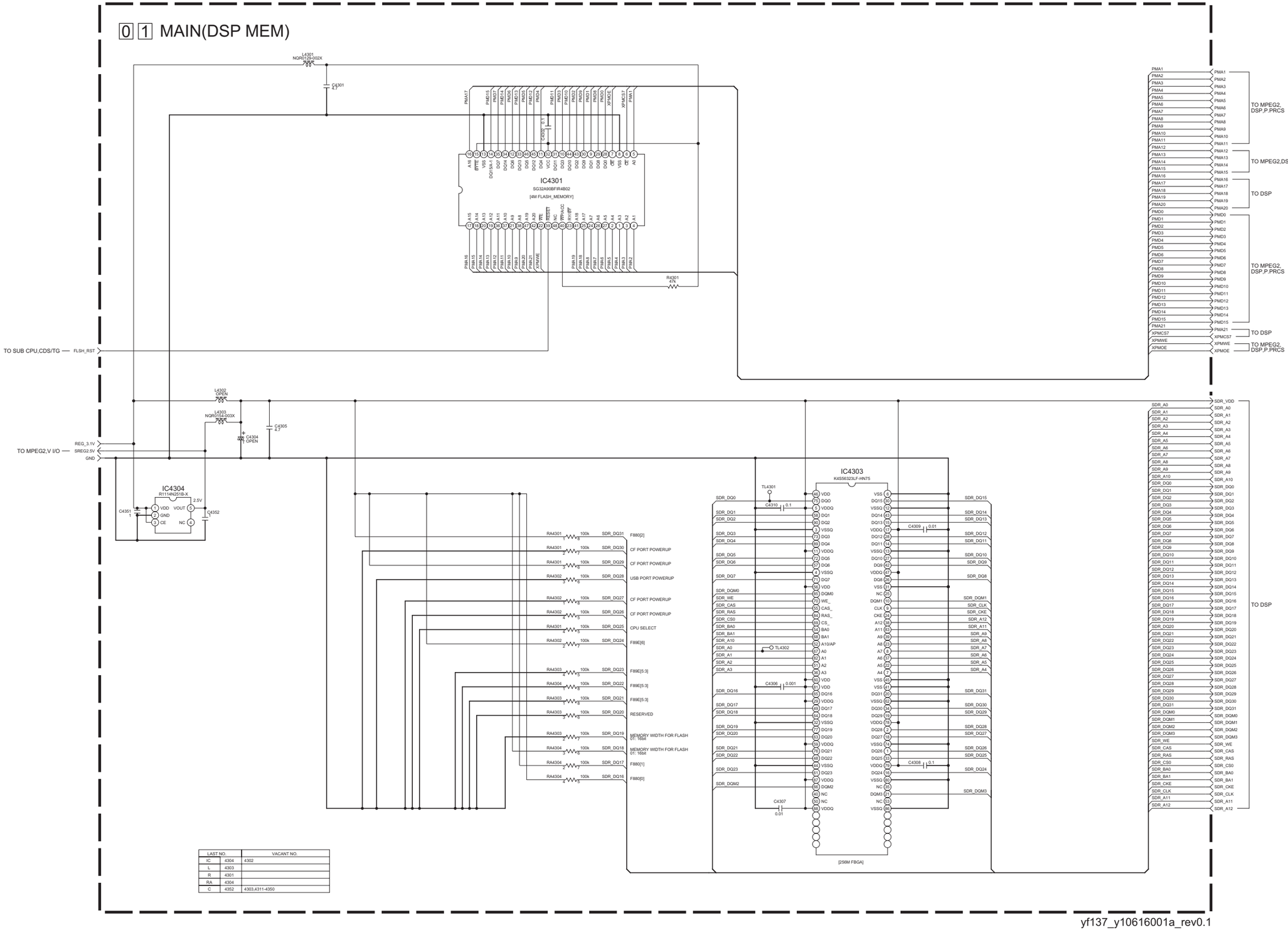
NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ MAIN(CDS/TG) SCHEMATIC DIAGRAM



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

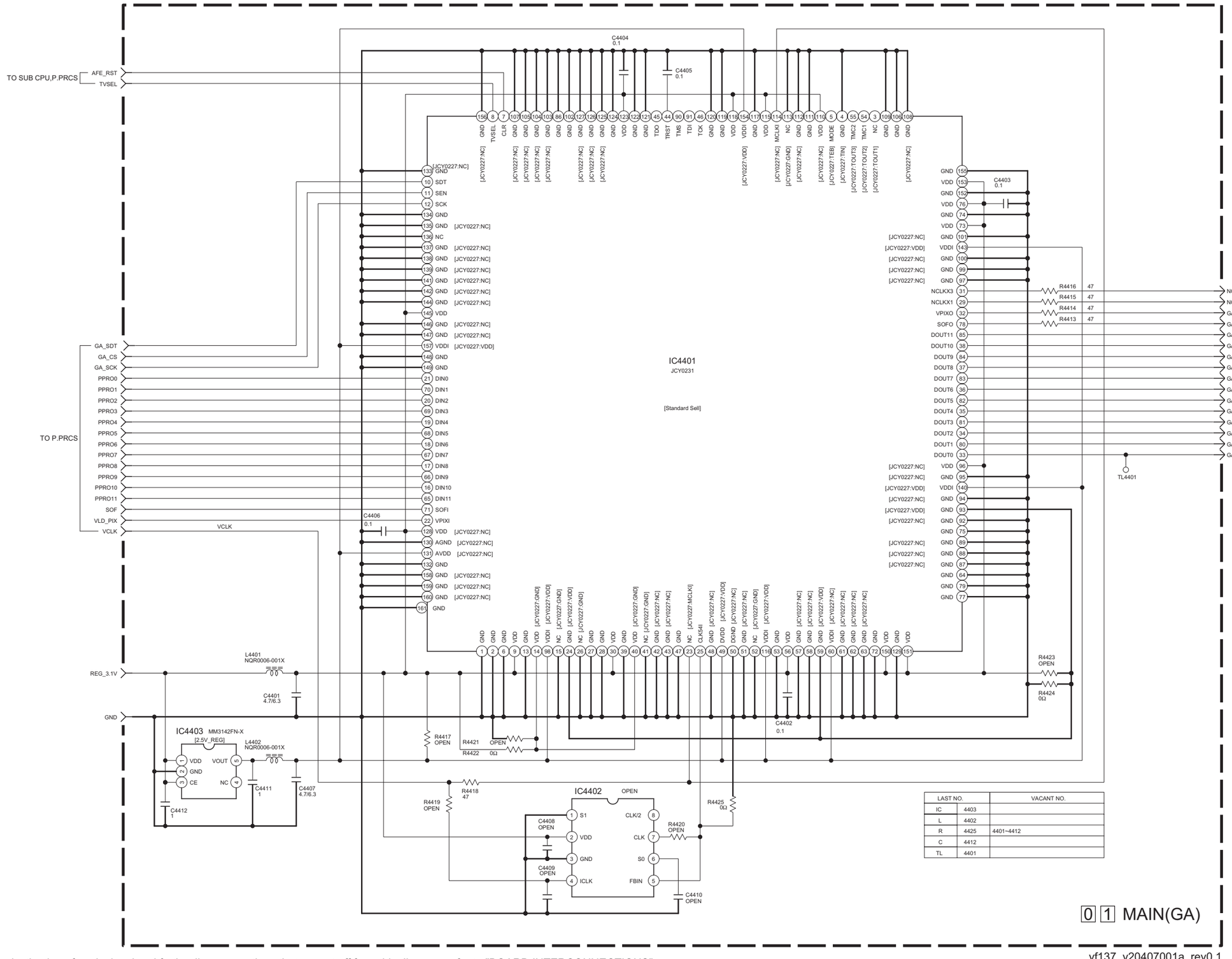
■ MAIN(DSP MEM) SCHEMATIC DIAGRAM



LAST NO.		VACANT NO.
IC	4304	4302
L	4303	
R	4301	
RA	4304	
C	4352	4303,4311-4350

NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ MAIN(GA) SCHEMATIC DIAGRAM

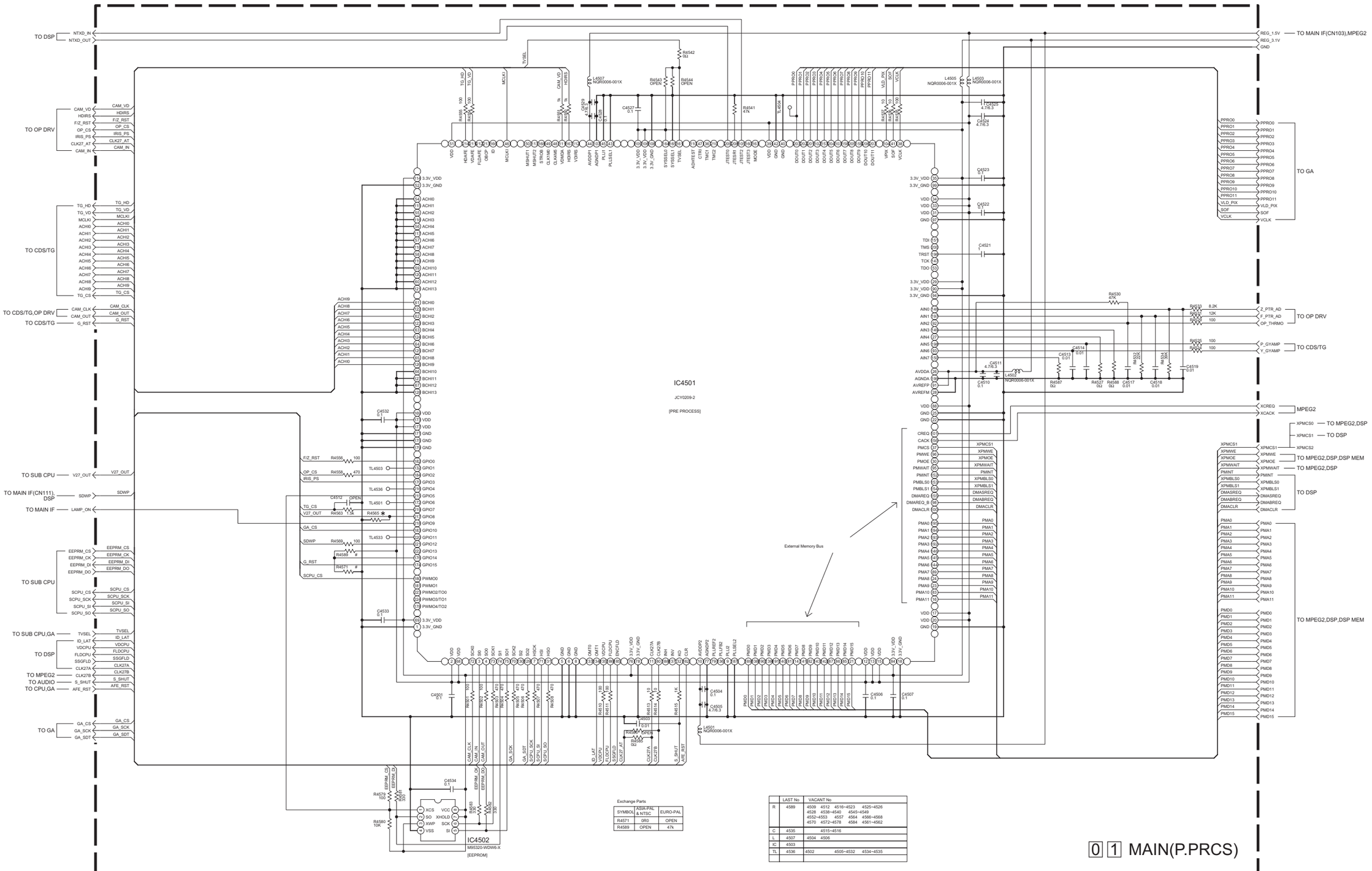


LAST NO.		VACANT NO.
IC	4403	
L	4402	
R	4425	4401~4412
C	4412	
TL	4401	

yf137_y20407001a_rev0.1

NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ MAIN(P.PRCS) SCHEMATIC DIAGRAM



Exchange Parts

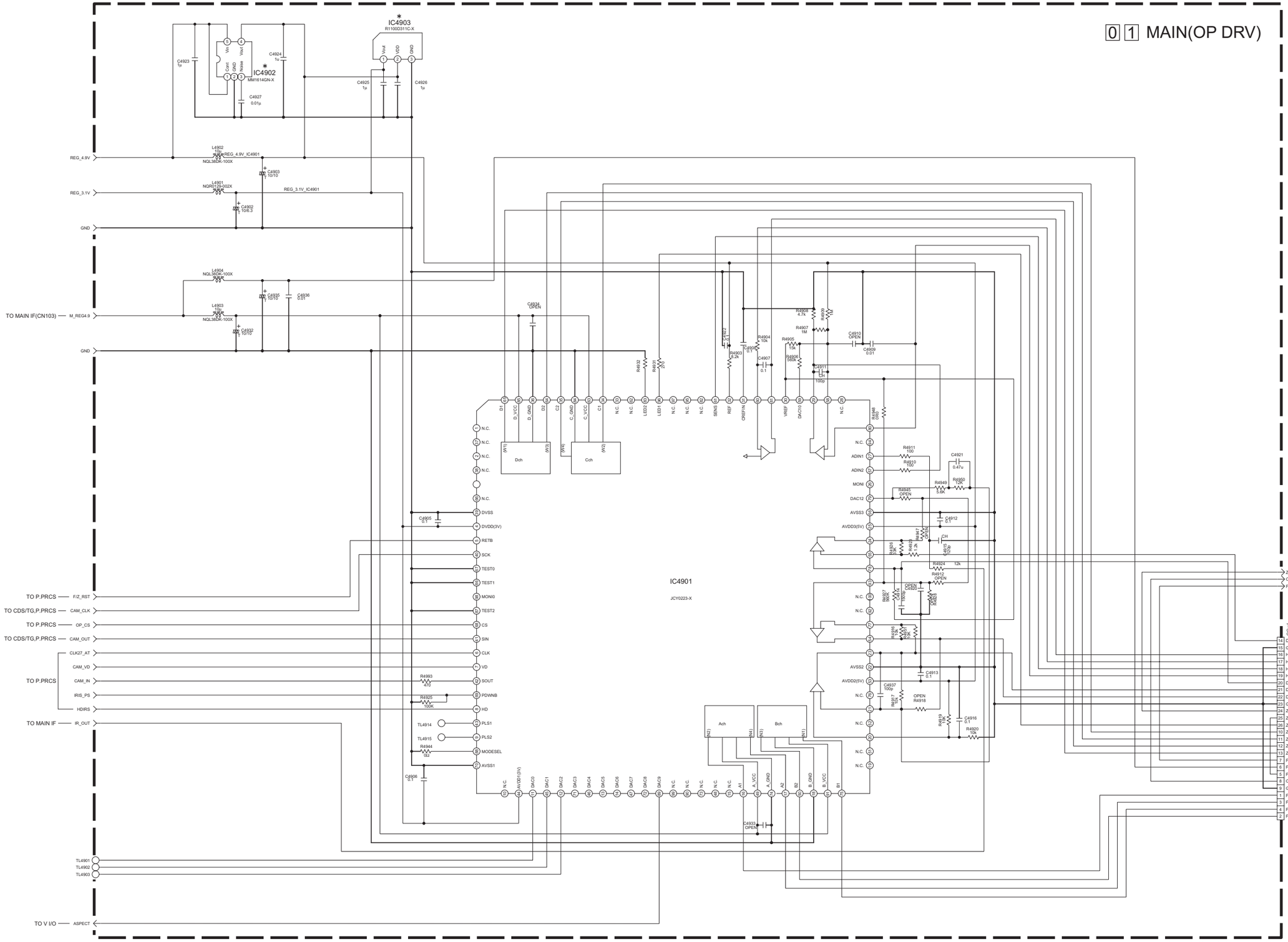
SYMBOL	ASIA-PAL & NTSC	EURO-PAL
R4571	0R0	OPEN
R4589	OPEN	47k

	LAST No	VACANT No
R	4589	4509 4512 4516~4523 4525~4526 4528 4538~4540 4545~4549 4552~4553 4557 4564 4566~4568 4570 4572~4578 4584 4561~4562
C	4535	4515~4516
L	4507	4504 4506
IC	4503	
TL	4536	4502 4505~4532 4534~4535

yf137_y10611001a_rev0.1

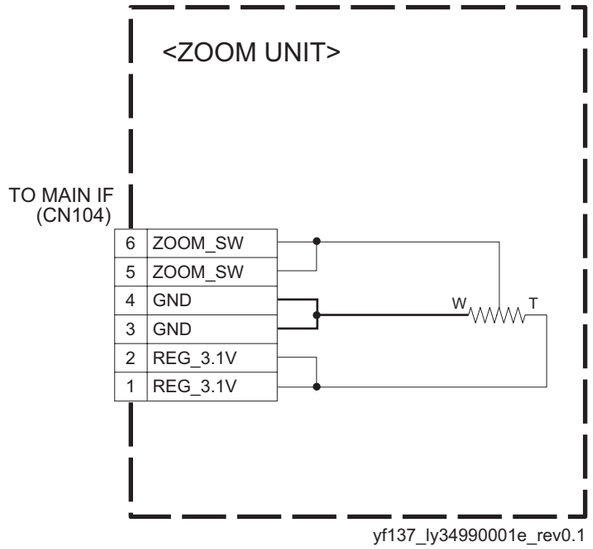
NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ MAIN(OP DRV) SCHEMATIC DIAGRAM

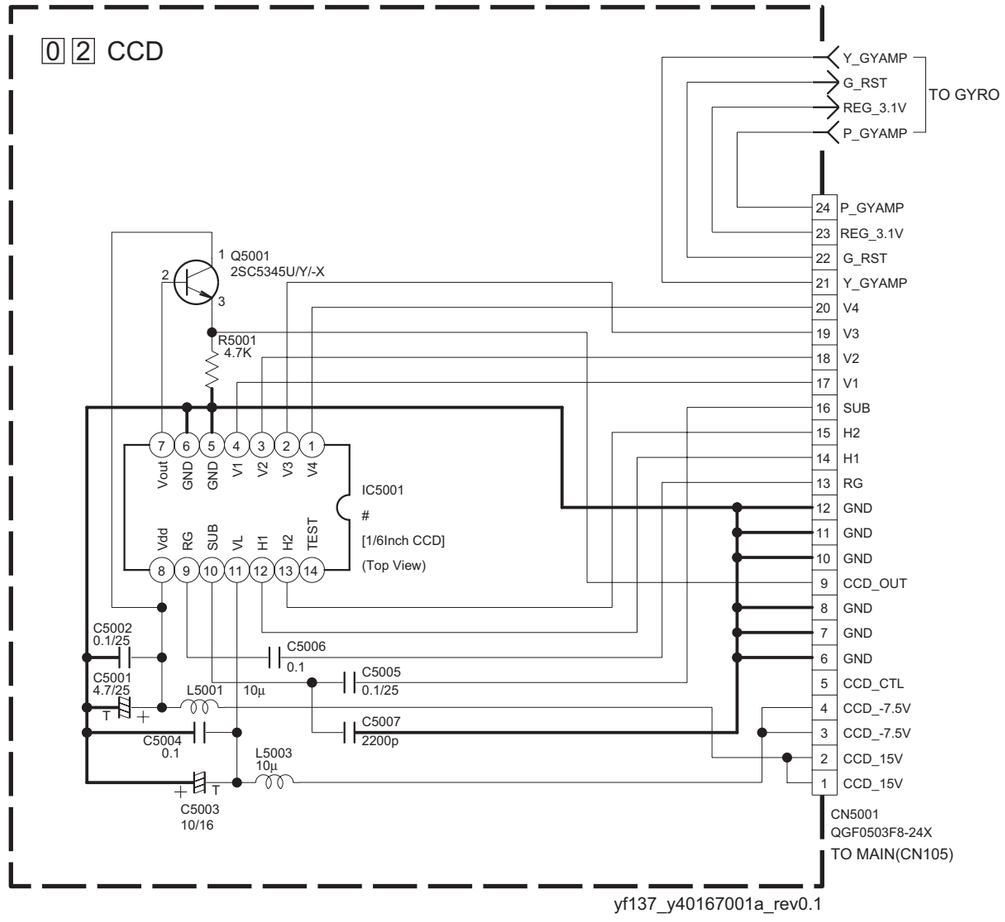


NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ ZOOM UNIT



■ CCD SCHEMATIC DIAGRAM



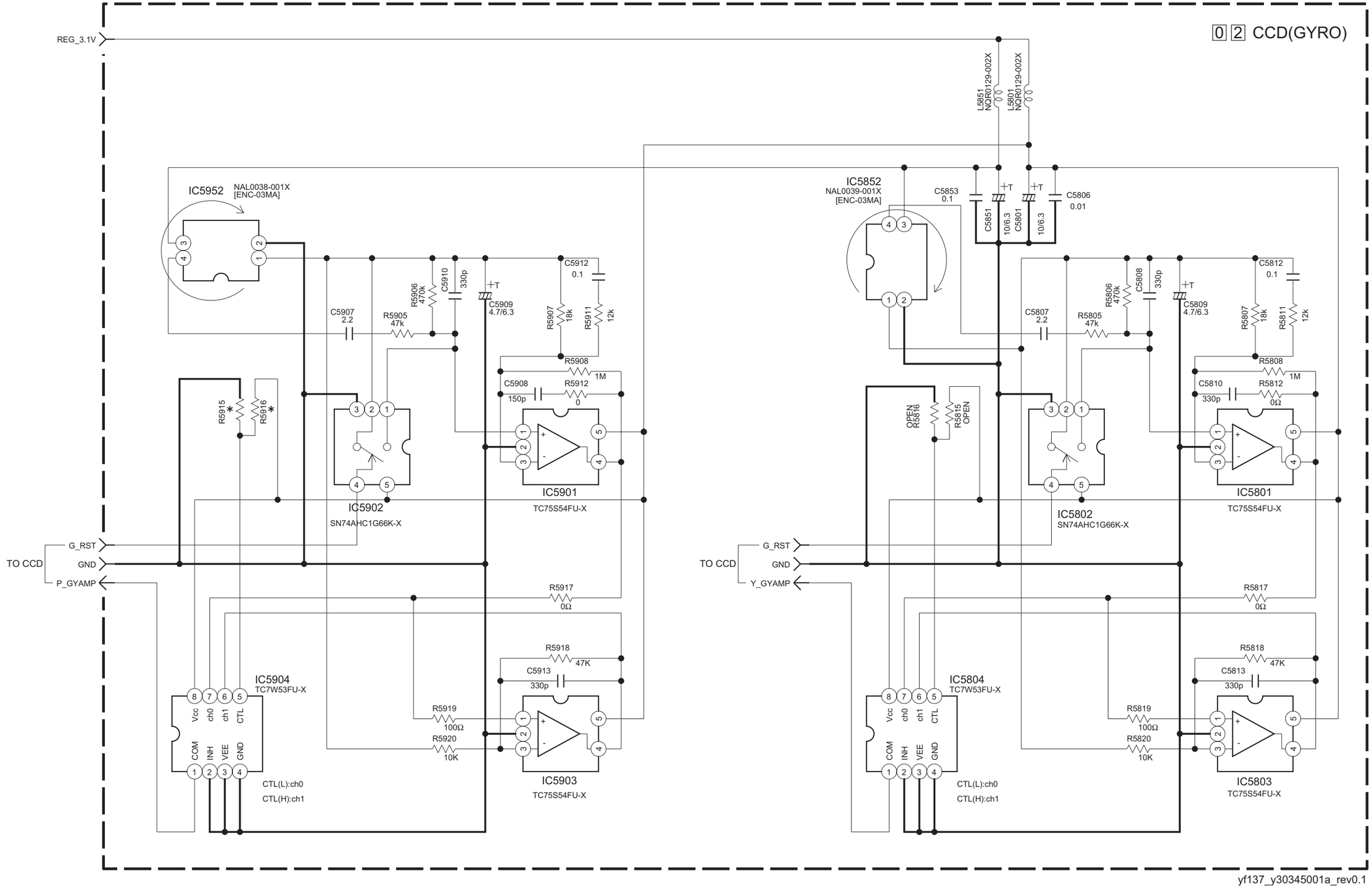
SYMBOL	IC5001	
SYSTEM	NTSC	PAL
CCD	ICX610UKM-V ICX610UKM-K	ICX611UKM-V ICX611UKM-K

	LAST No	VACANT No
R	5001	
C	5007	
L	5003	5002
Q	5001	
IC	5001	
CN	5001	

NOTE: The schematic diagram is only for reference. Avoid replacing individual parts.
Replace the entire unit only.

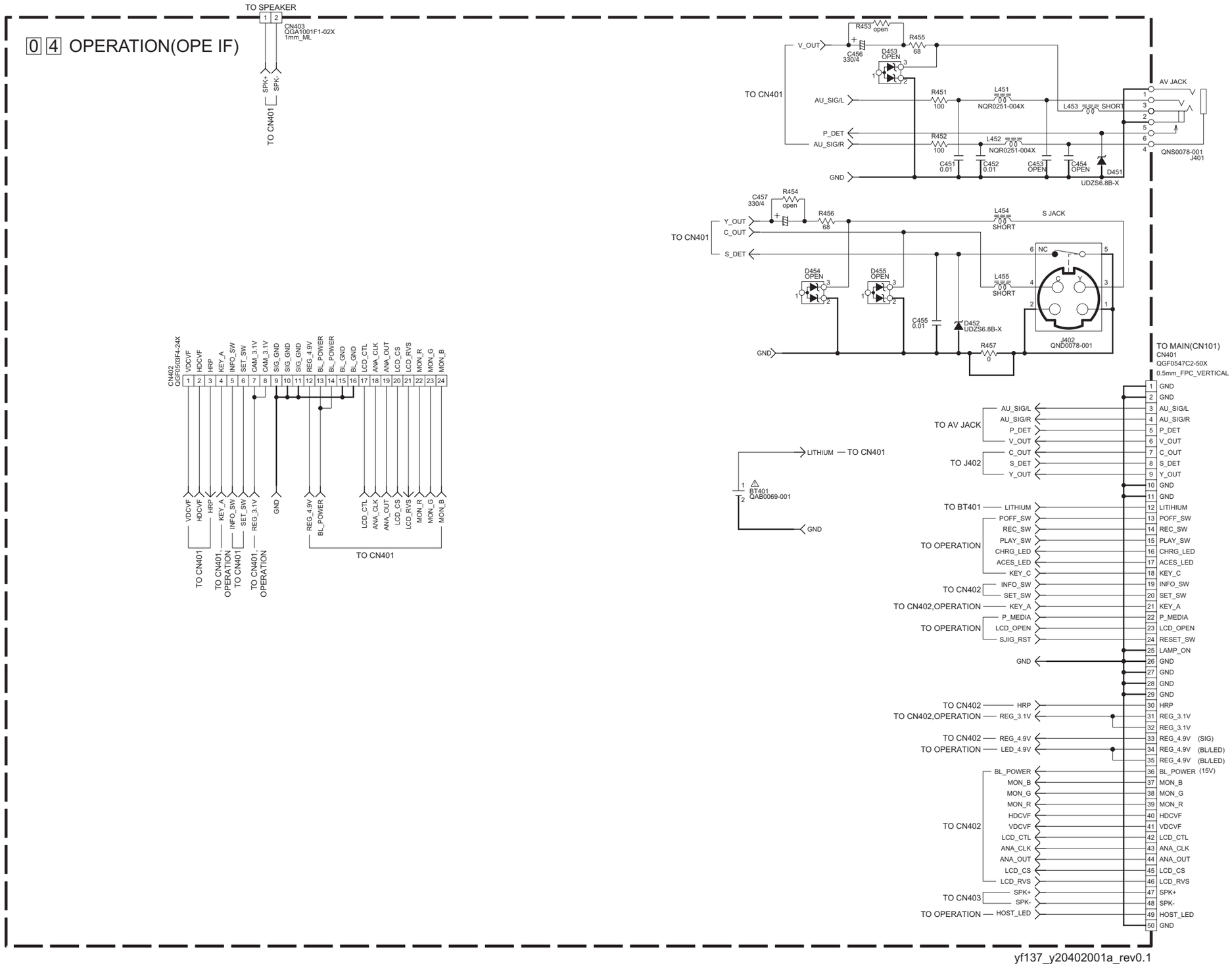
NOTES :1. For the destination of each signal and further line connectionsthat are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.
3. IC5001 is incorporated in the CCD base assembly .
When IC5001 needs replacement, replace the CCD base assembly in whole because it cannot be replaced alone.

■ CCD(GYRO) SCHEMATIC DIAGRAM



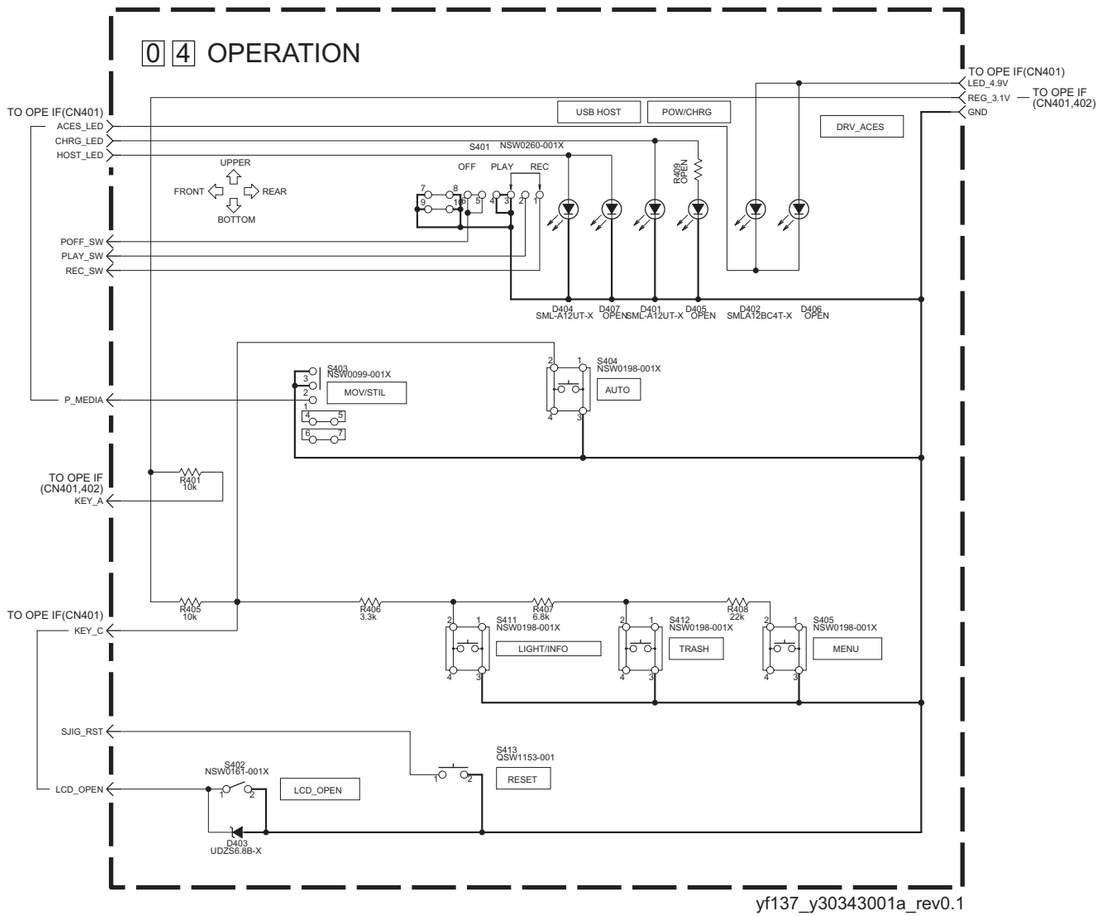
NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ OPERATION(OPE IF) SCHEMATIC DIAGRAM



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

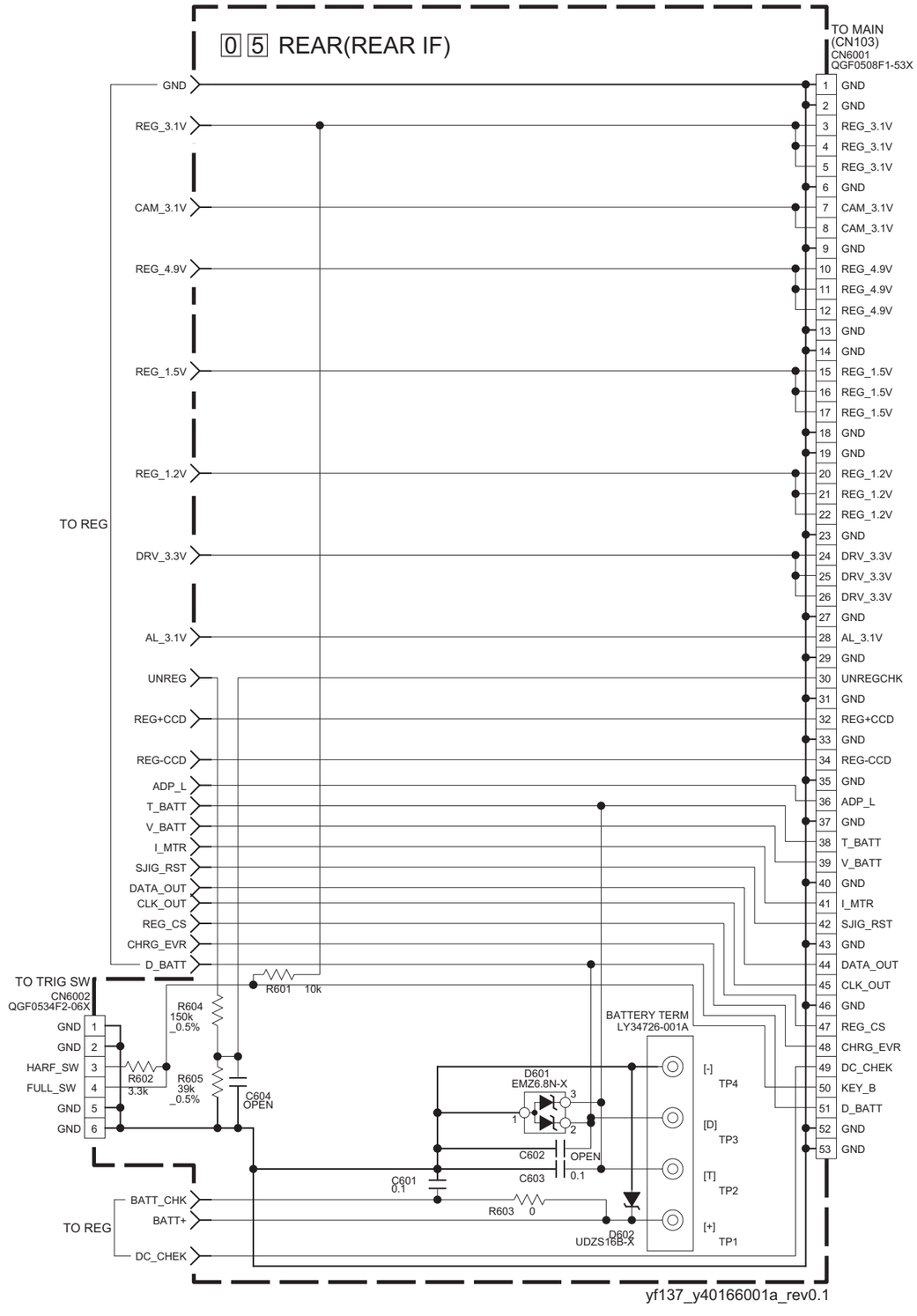
■ OPERATION SCHEMATIC DIAGRAM



yf137_y30343001a_rev0.1

NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

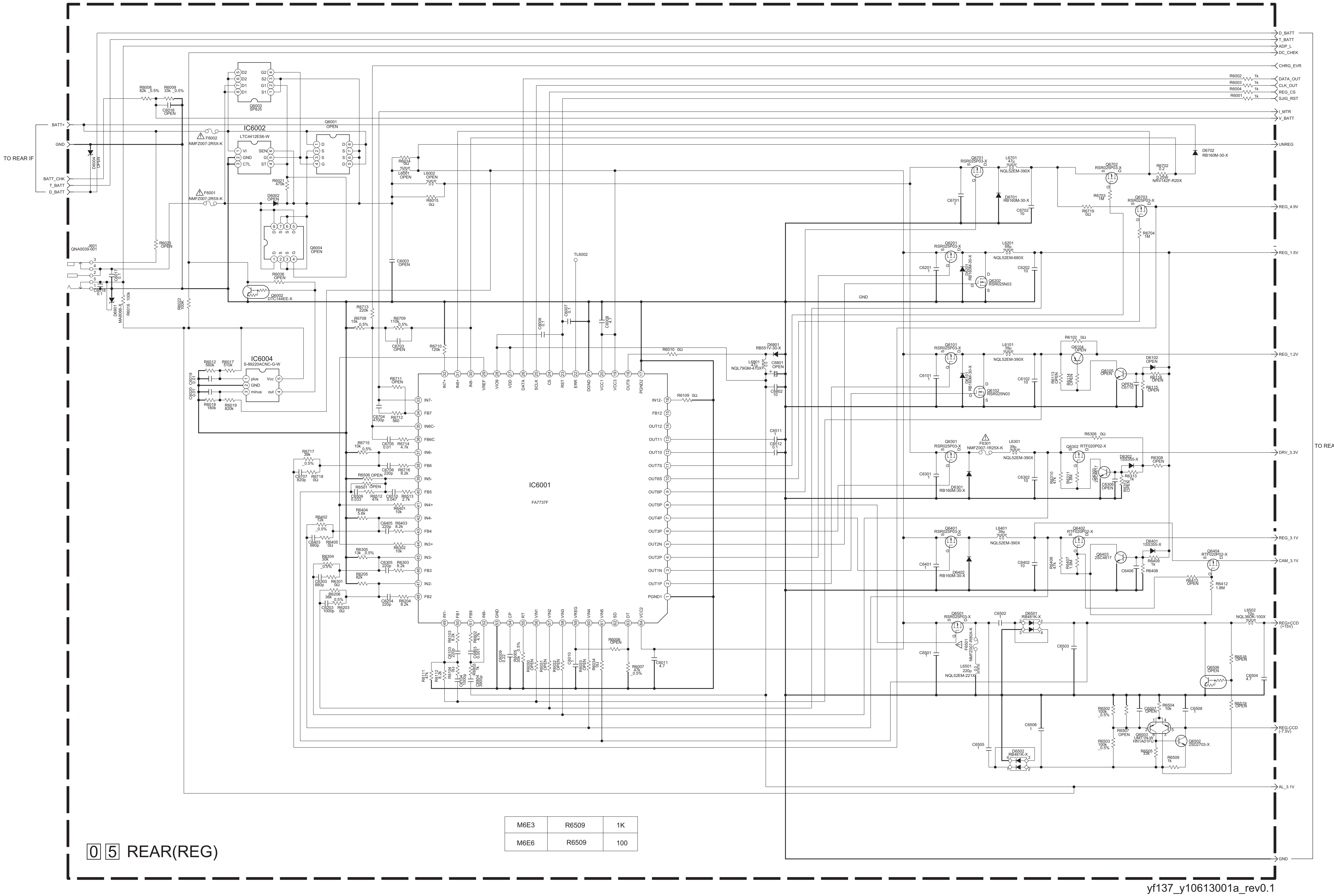
■ REAR(REAR IF) SCHEMATIC DIAGRAM



yf137_y40166001a_rev0.1

NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ REAR(REG) SCHEMATIC DIAGRAM



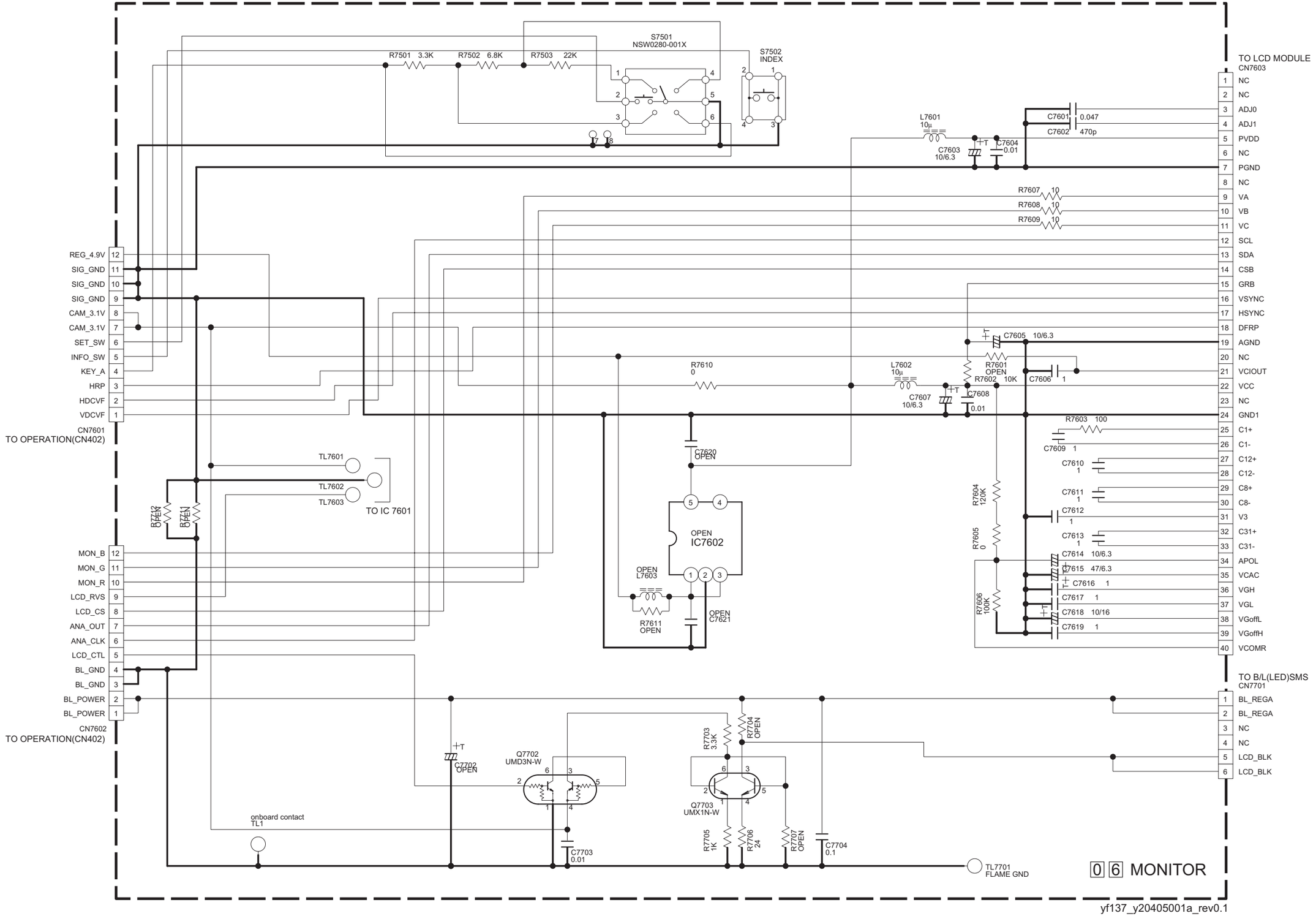
REAR(REG)
TO REAR IF
BATT+
GND
BATT_CHK
T_BATT
D_BATT
IC6002
LTC4412ES6-W
IC6004
S-89220ACNC-G-W
IC6001
FA7737F
Q6003
SP8J5
Q6001
OPEN
Q6004
OPEN
Q6002
DTC144EE-X
J601
QNA0039-001
D_BATT
T_BATT
ADP_L
DC_CHEK
CHRG_EVR
DATA_OUT
CLK_OUT
REG_CS
SJIG_RST
I_MTR
V_BATT
UNREG
REG_4.9V
REG_1.5V
REG_1.2V
DRV_3.3V
REG_3.1V
CAM_3.1V
REG+CCD (+15V)
REG-CCD (-7.5V)
AL_3.1V
GND

M6E3	R6509	1K
M6E6	R6509	100

yf137_y10613001a_rev0.1

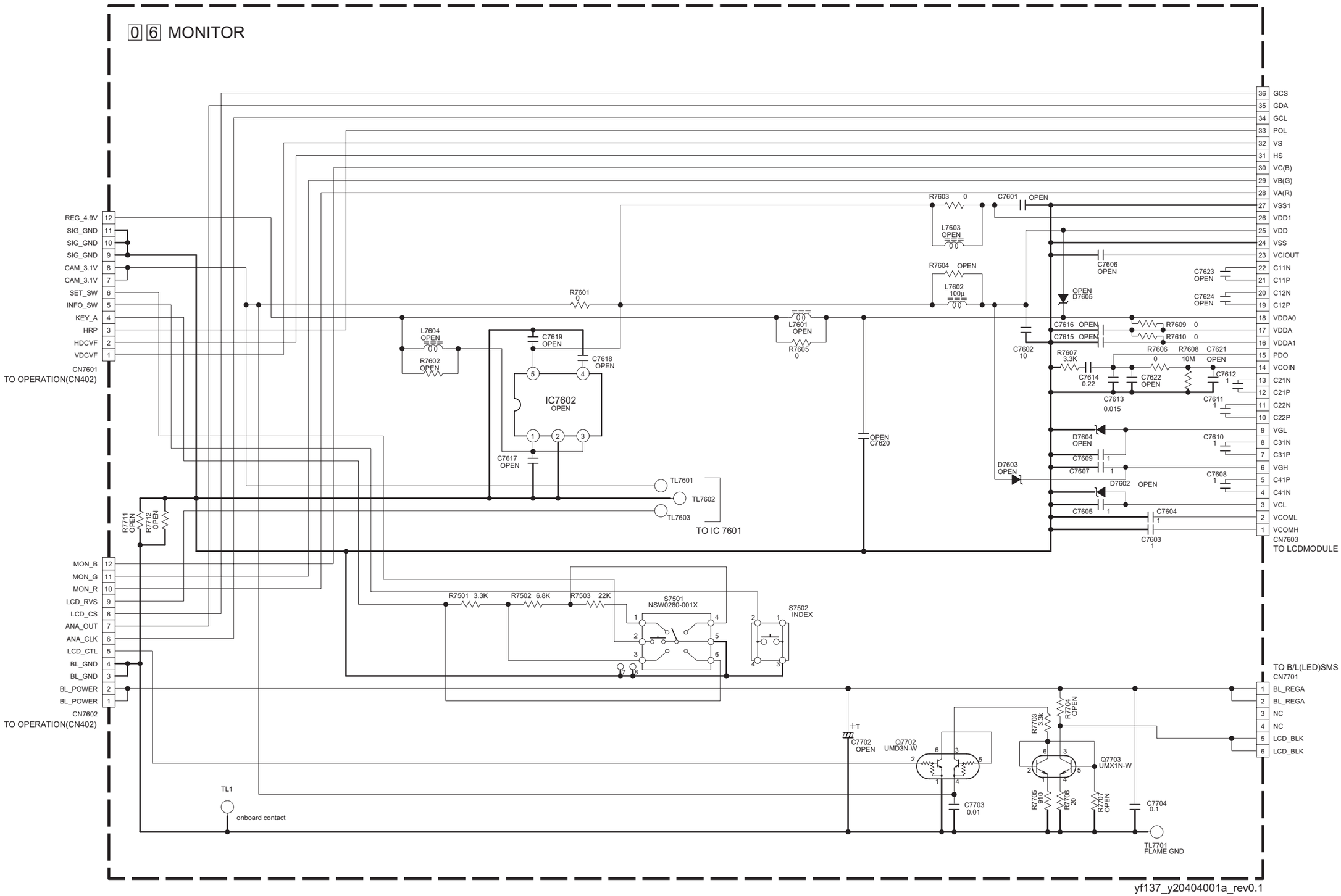
NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ MONITOR SCHEMATIC DIAGRAM [GZ-MG21 SERIES]



NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ MONITOR SCHEMATIC DIAGRAM [GZ-MG24,26,36 SERIES]



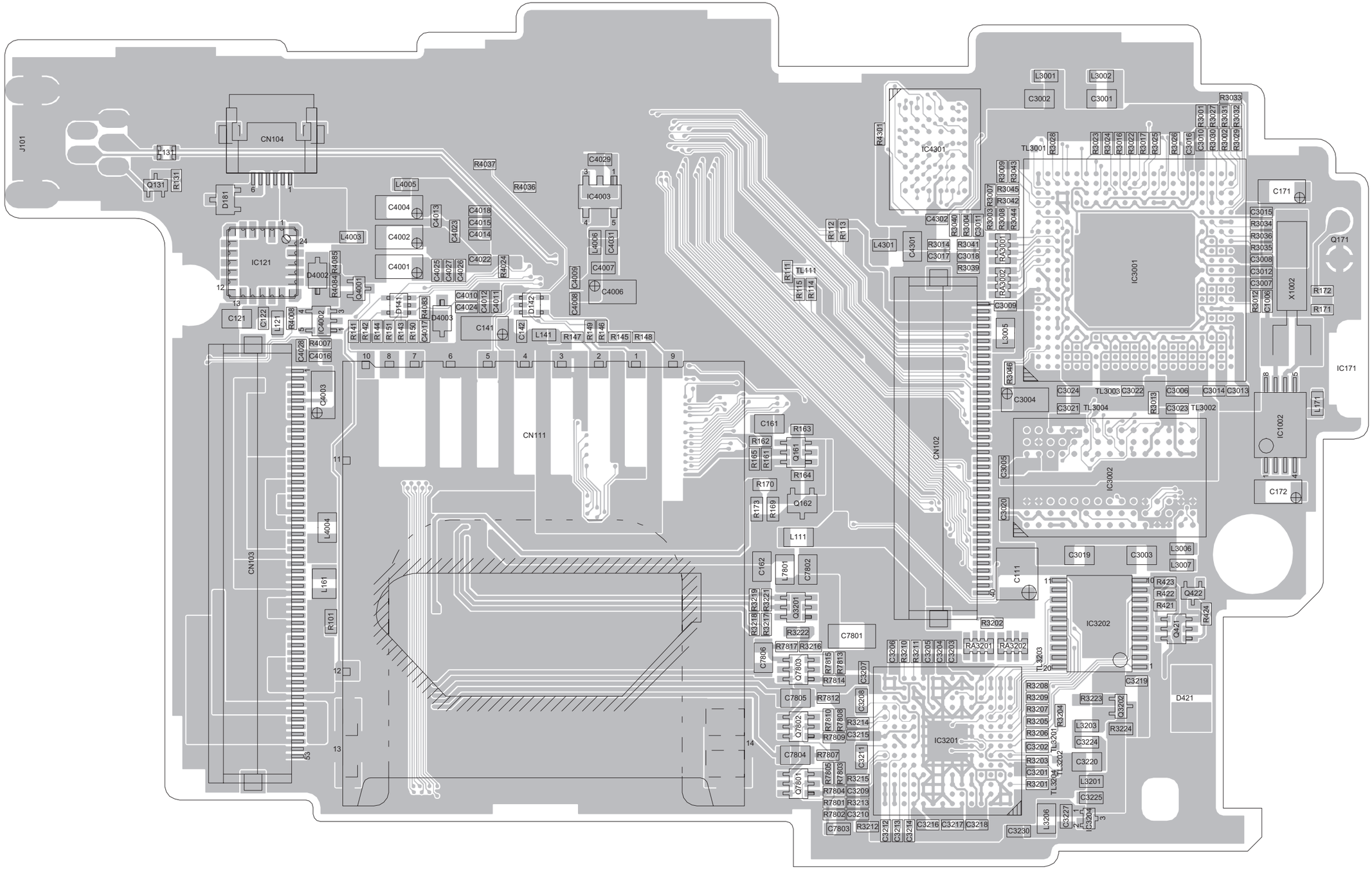
NOTES: 1. For the destination of each signal and further line connections that are cut off from this diagram, refer to "BOARD INTERCONNECTIONS".
2. The parts with marked (∗) is not used.

■ MAIN CIRCUIT BOARD

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

<01>MAIN
LYB10071-001B

FOIL SIDE(B)

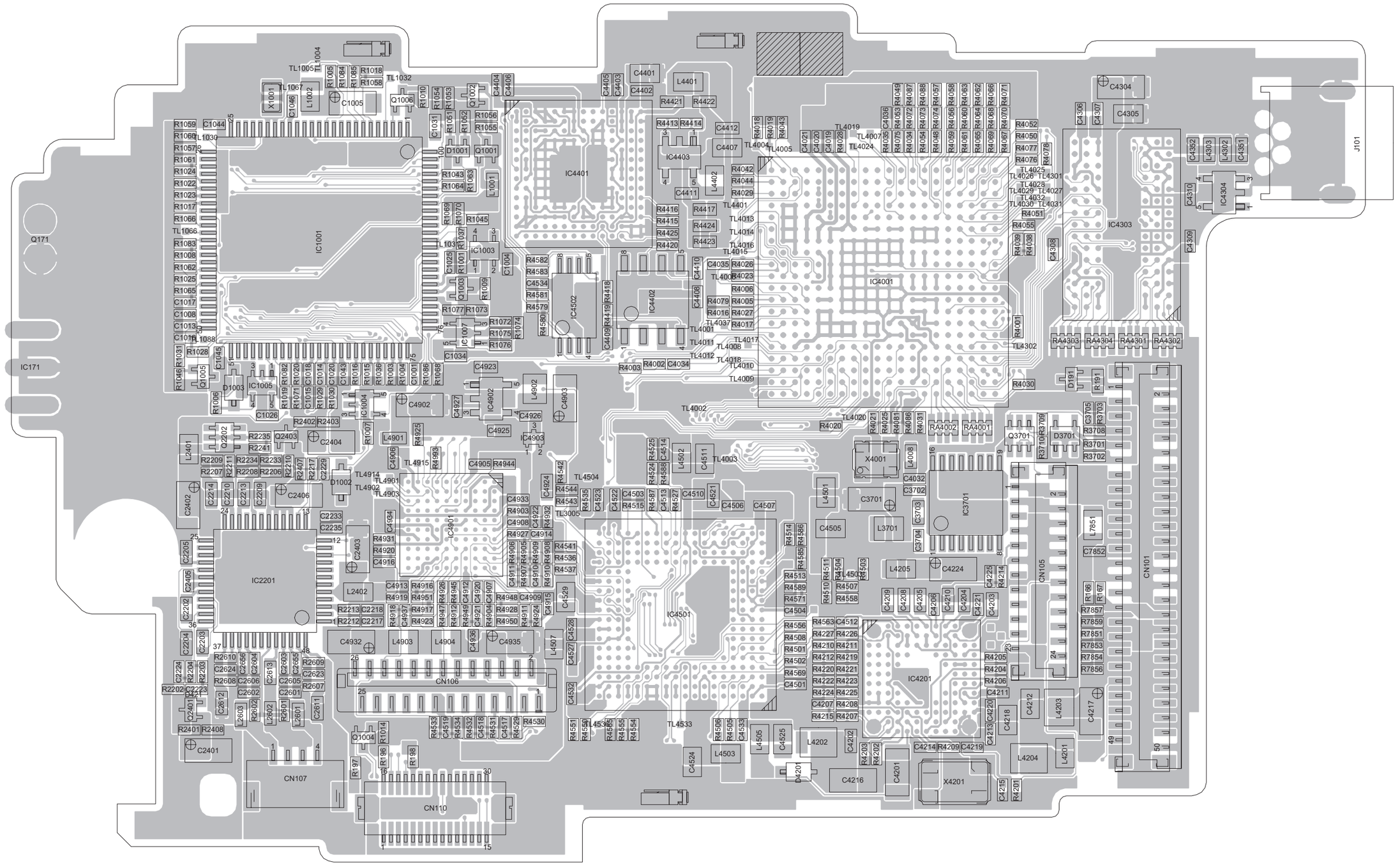


■ MAIN CIRCUIT BOARD

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

<01>MAIN
LYB10071-001B

COMPONENT SIDE(A)

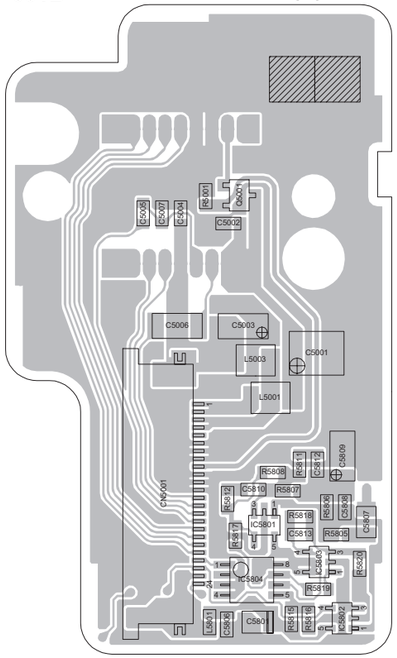


■ CCD, REAR AND MONITOR CIRCUIT BOARDS

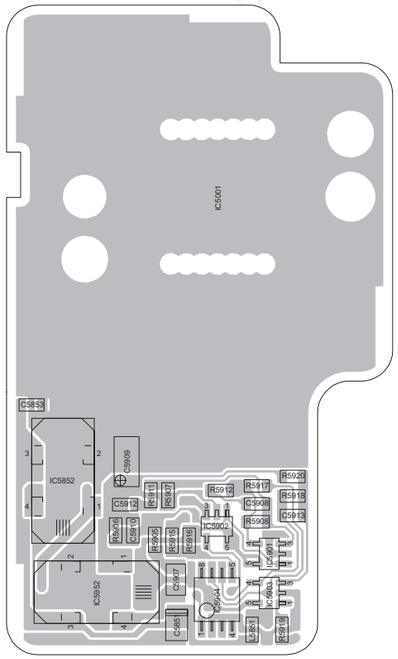
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

<02>CCD
LYB10067-001B

FOIL SIDE(B)

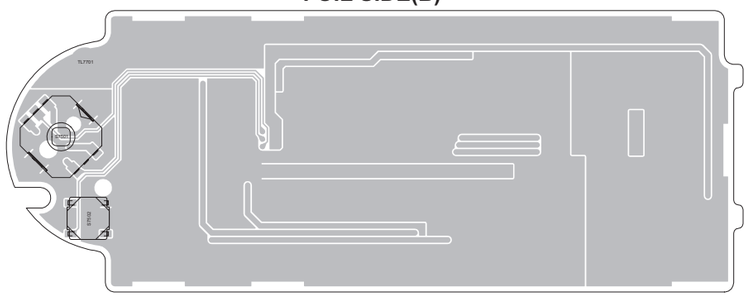


COMPONENT SIDE(A)

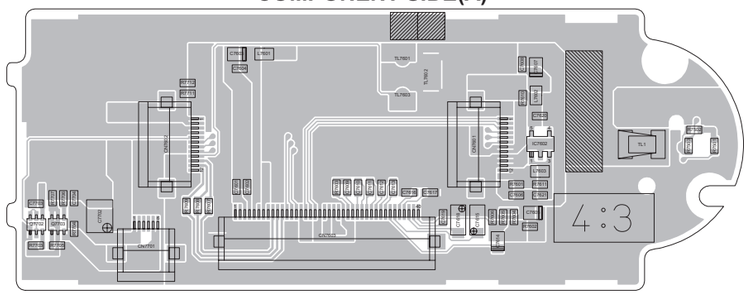


<06>MONITOR [GZ-MG21 SERIES]
LYB10070-001B

FOIL SIDE(B)

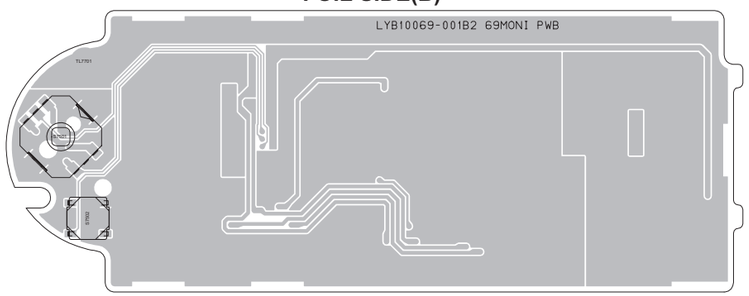


COMPONENT SIDE(A)

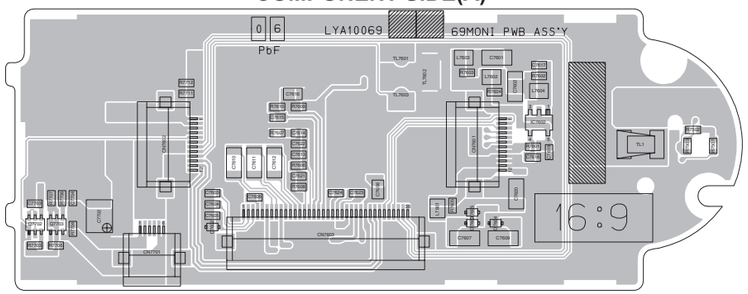


<06>MONITOR [GZ-MG24,26,36 SERIES]
LYB10069-001B

FOIL SIDE(B)



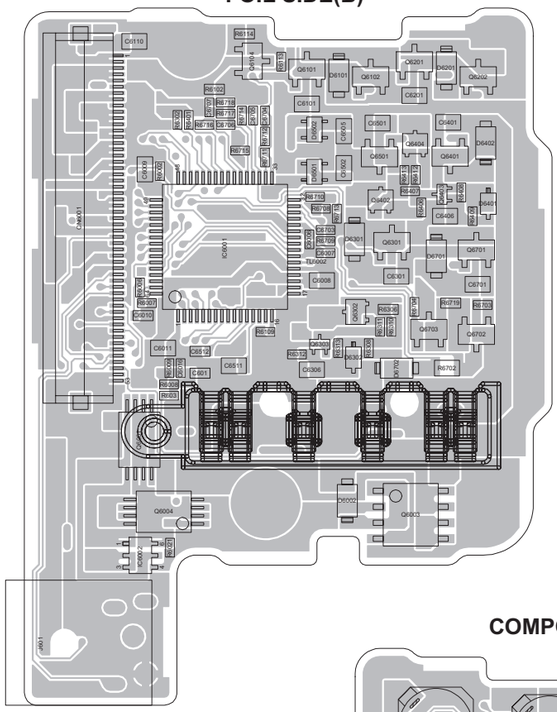
COMPONENT SIDE(A)



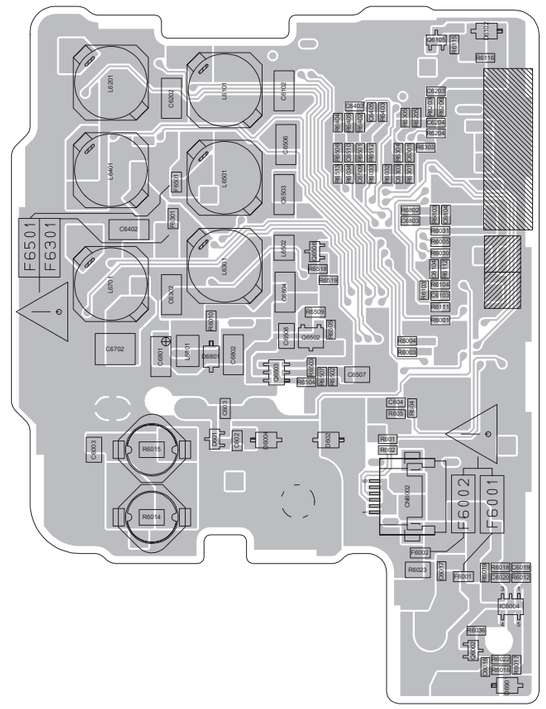
CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S).
ATTENTION :
POUR UNE PROTECTION PERMANENTE CONTRE LES RISQUE D'INCENDE,
REMPLACER LES FUSIBLES PAR UNAAUTRE DE MEME TYPE ET DE MEME TENSION.

<05>REAR
LYB10068-001B

FOIL SIDE(B)



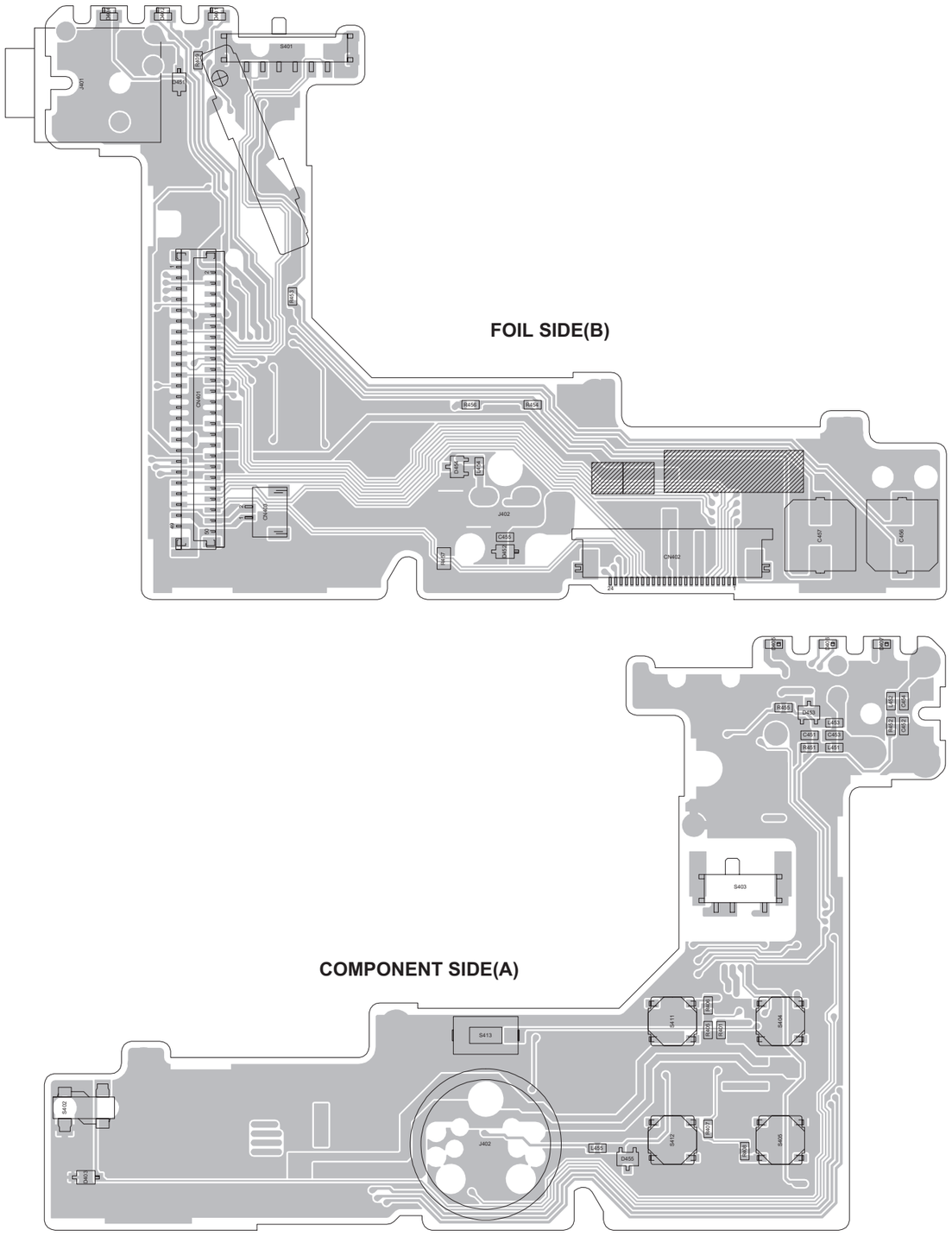
COMPONENT SIDE(A)



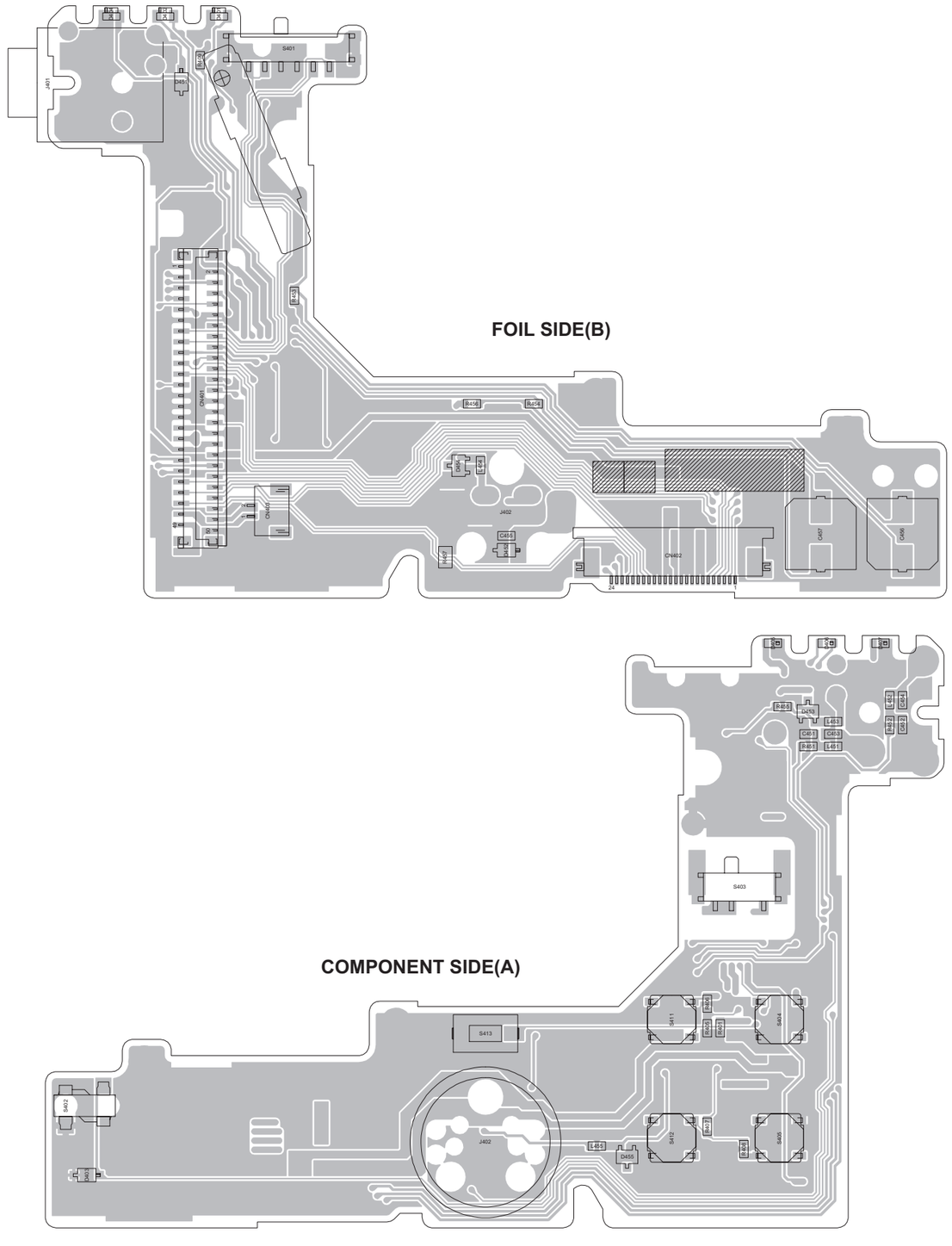
■ OPE CIRCUIT BOARD

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

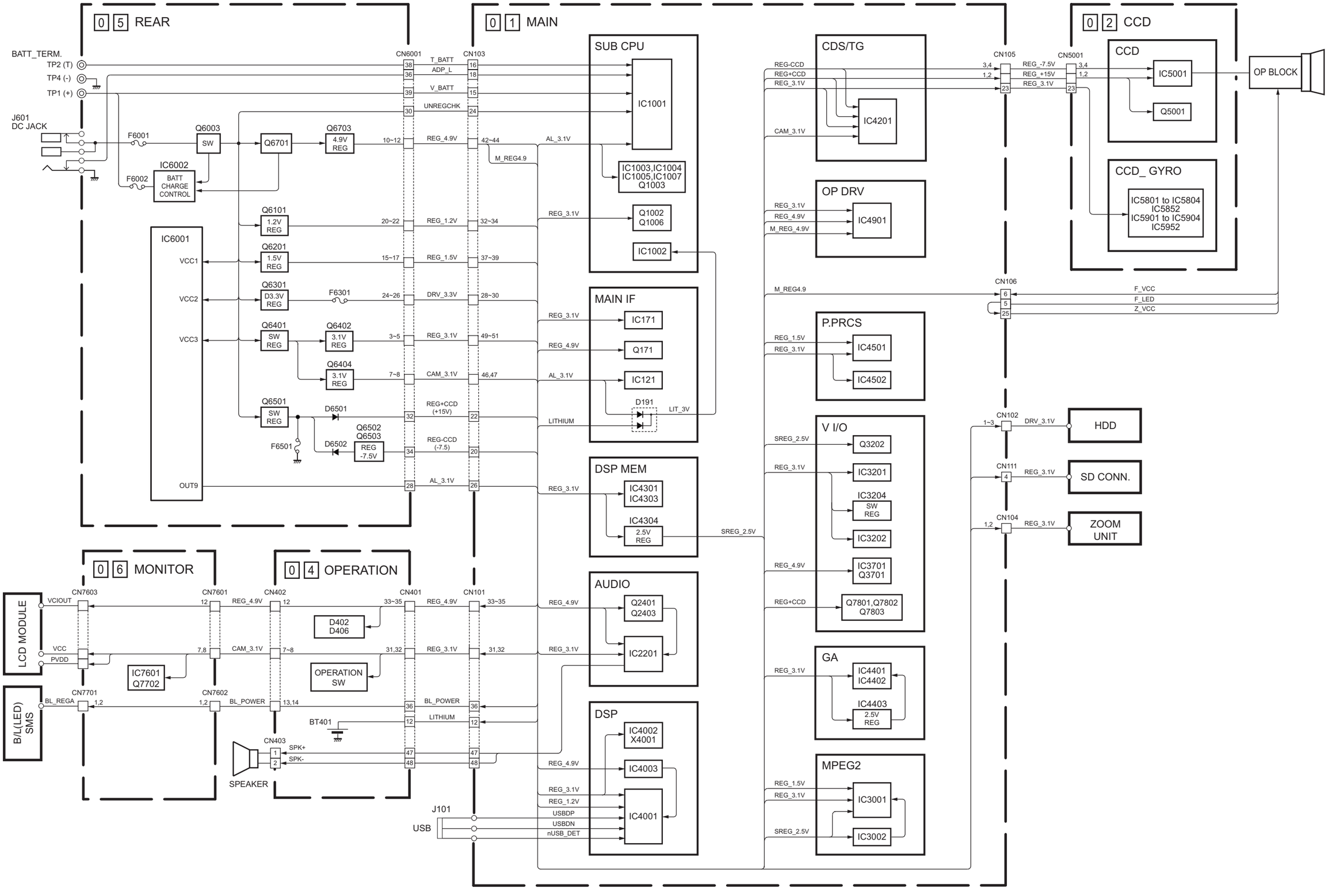
<04>OPE [GZ-MG21 SERIES]
LYB10070-001B



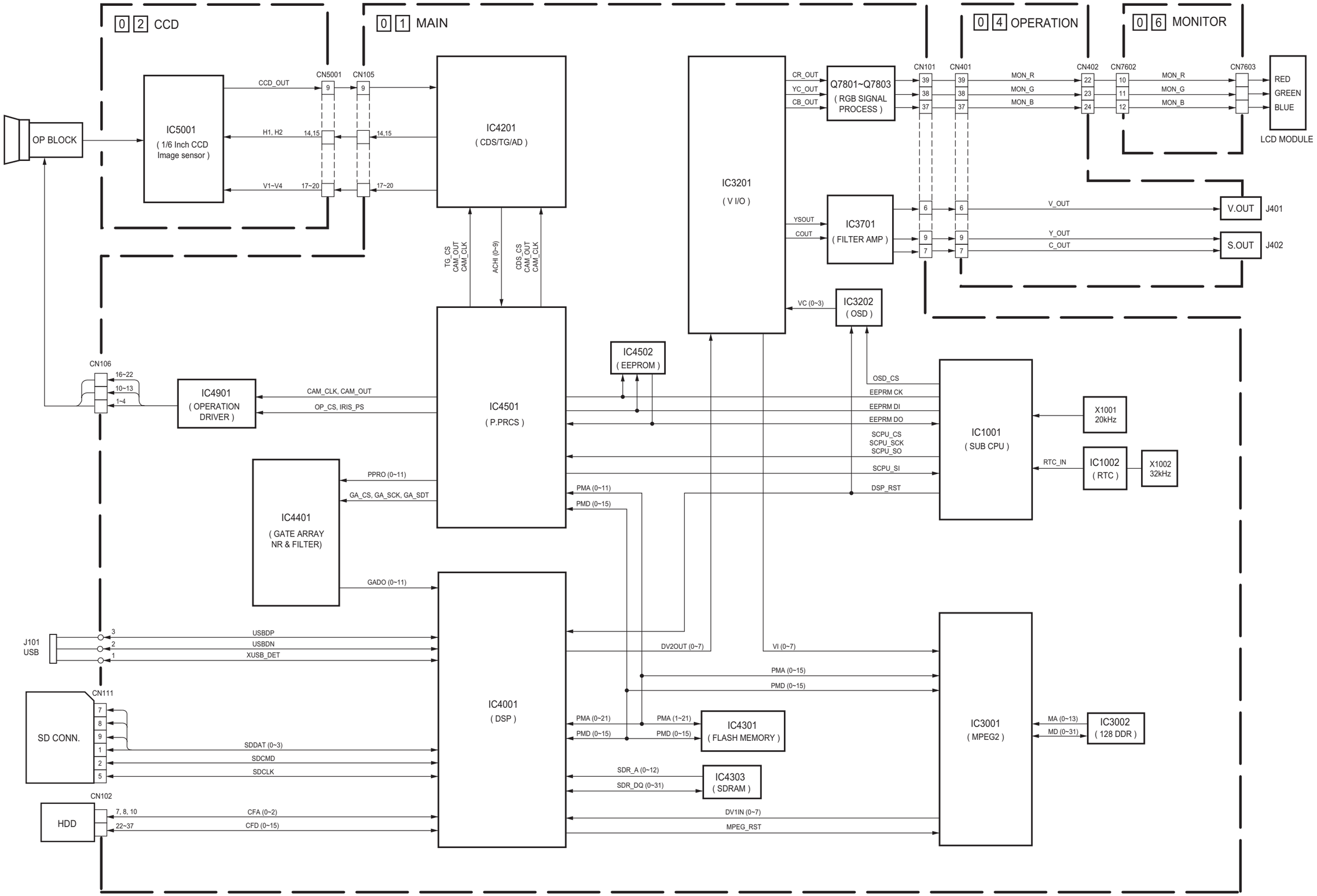
<04>OPE [GZ-MG24,26,36 SERIES]
LYB10069-001B



■ POWER SYSTEM BLOCK DIAGRAM



■ VIDEO SYSTEM BLOCK DIAGRAM



■ VOLTAGE CHARTS

<MAIN>

MODE PIN NO.	REC	PLAY
IC121		
1	0	0
2	1.7	1.2
3	0	0
4	1.8	0
5	1.5	1.5
6	0	0
7	1.5	1.5
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	3.0	3.0
14	0	0
15	3.0	3.1
16	1.5	1.5
17	3.0	3.0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	0	0
IC171		
1	3.0	3.1
2	0	0
3	3.0	3.1
IC1001		
1	3.0	3.0
2	3.0	3.0
3	0	3.0
4	0	0
5	0	0
6	0	0
7	0	0
8	3.0	3.0
9	2.9	2.9
10	3.0	3.0
11	0	0
12	2.9	3.0
13	3.1	3.1
14	0.2	0.2
15	3.1	3.1
16	3.0	3.0
17	3.0	3.0
18	0	0
19	0	0
20	0	0
21	3.0	3.0
22	3.0	3.0
23	1.5	1.4
24	1.4	1.3
25	3.0	3.0
26	0	0
27	3.0	3.0
28	0	0
29	3.0	3.0
30	3.0	3.0
31	3.0	0
32	0	3.0
33	3.0	3.0
34	3.0	3.0
35	3.0	3.0
36	0	0
37	0	0
38	3.0	3.0
39	0	3.0
40	3.0	3.0
41	3.0	3.0
42	0	0
43	0	0
44	2.9	2.9
45	0	0
46	3.1	3.1
47	1.6	1.5
48	0	0
49	0	0
50	3.0	3.1
51	0	1.0
52	3.0	3.0
53	0	0
54	3.0	3.0
55	3.1	3.0
56	3.0	2.9
57	3.0	3.0
58	3.1	3.1
59	3.1	3.1
60	0	2.8
61	0	0
62	2.3	2.2
63	3.1	3.1
64	3.1	3.1
65	0	0
66	3.0	3.0
67	3.0	3.0
68	3.0	3.0
69	0	3.0
70	3.0	3.0
71	0	1.1
72	0	3.0
73	0	3.0
74	3.0	3.0
75	3.0	0
76	0	0
77	0	0
78	0	0
79	2.6	2.7
80	0	0
81	0	0
82	3.0	3.0
83	3.0	3.0
84	0	0
85	0	0
86	0	0
87	0	0
88	3.0	3.1
89	3.0	3.0
90	3.0	3.0
91	3.0	3.0
92	0	0
93	0	3.0
94	0	0
95	0	0
96	0	0
97	3.1	0
98	0	0
99	3.0	3.0
100	0	0
IC1002		
1	0	0
2	3.0	3.0
3	3.0	3.0
4	0	0
5	0	0
6	0.1	0.5
7	0.4	0.4
8	0	3.0
IC1003		
1	2.8	3.0
2	3.0	3.0
3	0	0
4	0	0
IC1004		
1	3.0	3.0
2	3.0	3.0
3	0	0
4	3.0	3.0
5	3.0	3.0
IC1005		
1	3.0	3.0
2	3.0	3.0
3	0	0
4	0	0
5	3.0	3.0
IC1007		
1	1.4	1.4
2	0	0
3	1.2	1.2
4	0	0
5	3.0	3.0
IC2201		
1	0.2	1.6
2	0	0
3	0	1.5
4	3.0	3.0
5	3.0	3.1
6	0	0
7	1.5	1.5
8	1.4	1.3
9	1.5	1.5
10	2.5	2.5
11	2.9	2.9
12	2.7	2.7
13	1.6	1.5
14	1.5	0
15	0	0
16	0	0
17	0	0
18	0	0
19	3.1	3.1
20	0	0
21	0.2	0.2
22	1.5	1.5
23	0.2	0.2
24	1.5	1.5
25	0	0
26	0	0
27	4.9	4.9
28	0	0
29	2.4	2.5
30	0	0
31	3.1	3.1
32	1.5	1.5
33	0.1	1.5
34	0.1	1.5
35	0	1.5
36	1.5	1.5
37	1.5	1.5
38	1.5	1.5
39	1.5	0
40	1.5	0
41	0	0
42	4.2	4.5
43	2.8	0
44	4.2	4.5
45	1.5	0
46	1.5	0
47	1.5	1.5
48	1.6	1.5
IC3001	-	-
IC3002	-	-
IC3201	-	-
IC3202		
1	0	2.7
2	0	2.3
3	0	2.5
4	0	3.0
5	0	3.0
6	0	3.1
7	0	0
8	0	1.4
9	2.9	0
10	2.8	0
11	0	0
12	2.3	0
13	2.5	0
14	3.0	0
15	3.1	0
16	3.1	0
17	0	0
18	1.3	0
19	0	3.0
20	0	2.8
IC3204		
1	2.5	2.5
2	3.1	3.1
3	0	0
IC3701		
1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0
9	4.9	4.9
10	0	0
11	0	0
12	0	0
13	0	0
14	-0.1	-0.2
15	4.9	4.9
16	0	0
IC4001	-	-
IC4003		
1	0	4.9
2	0	0
3	4.9	4.9
4	0	0
5	3.3	3.3
IC4201	-	-
IC4301	-	-
IC4303	-	-
IC4304		
1	3.1	3.1
2	0	0
3	3.1	3.1
4	0	0
5	2.5	2.5
IC4401	-	-
IC4403		
1	3.1	3.1
2	0	0
3	3.1	3.1
4	0	0
5	2.5	2.4
IC4501	-	-
IC4502		
1	3.1	0
2	0.2	0
3	3.1	3.1
4	0	0
5	3.1	3.1
6	3.1	3.1
7	3.1	3.1
8	3.1	3.1
IC4901	-	-
IC4902	-	-
IC4903	-	-
Q131		
E	0	0
C	3.1	3.1
B	0	0
Q421		
1	1.2	1.1
2	1.5	1.5
3	0	0
4	1.5	1.5
5	0.8	0.9
6	2.7	1.1
Q422		
E	0	0
C	1.2	1.2
B	0	0
Q1001		
E	0	0
C	0	0
B	0	3.0
Q1002		
E	0	0
C	0	3.0
B	0.5	0.5
Q1003		
E	3.0	3.0
C	2.9	2.9
B	0	0
Q1004		
E	0	0
C	0.1	0
B	0	0
Q1005		
S	0	0
D	3.0	3.0
G	3.0	3.0
Q1006		
E	3.0	3.1
C	0	0
B	0	1.9
Q2002		
1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
Q2401		
E	4.1	4.5
C	4.9	4.9
B	4.8	4.9
Q2403		
E	3.1	3.0
C	4.9	4.9
B	3.7	3.8
Q3202		
E	1.8	1.8
C	0	2.6
B	2.5	2.4
Q3701		
1	0	0
2	0	0
3	0	0
4	4.9	0
5	4.3	4.3
6	4.4	4.3
Q4001		
E	0	0
C	0	0.2
B	0	0
Q7801		
1	2.3	0
2	2.9	2.8
3	15.0	0
4	6.4	0
5	7.0	7.1
6	7.0	0
Q7802		
1	2.3	0
2	2.9	0
3	15.0	15.0
4	6.3	6.4
5	6.9	7.0
6	6.9	7.1
Q7803		
1	2.3	2.3
2	2.9	0
3	14.9	0
4	6.4	6.5
5	7.0	7.0
6	6.9	7.1

<CCD>

MODE PIN NO.	REC	PLAY
IC5001		
1	-7.1	0
2	-7.1	15.0
3	-0.3	0
4	0	14.9
5	0	0
6	0	0
7	11.2	10.6
8	14.9	14.9
9	12.8	12.7
10	9.5	9.5
11	-7.6	-7.6
12	1.4	0
13	1.2	0
14	10.0	10.0
IC5801		
1	1.3	1.3
2	0	0
3	1.3	1.3
4	1.3	1.3
5	3.1	3.1
IC5803		
1	1.4	1.3
2	0	0
3	0	0
4	1.5	1.2
5	3.0	3.1
IC5804		
1	1.4	0.2
2	0	0
3	0	0
4	0	0
5	0	0
6	1.6	1.1
7	1.4	1.3
8	3.1	3.1
IC5852		
1	1.3	1.3
2	0	0
3	3.1	0
4	1.6	1.6
IC5901		
1	1.3	1.3
2	0	0
3	1.2	1.3
4	0	1.3
5	3.1	3.0
IC5902	-	-
IC5903		
1	1.4	1.3
2	0	0
3	1.4	1.3
4	1.7	1.3
5	3.0	3.1
IC5904		
1	1.4	1.3
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	1.3	1.3
8	3.0	3.1
IC5952		
1	1.3	0
2	0	0
3	3.1	3.1
4	1.4	1.4
Q5001		
E	10.5	9.9
C	14.9	15.0
B	0	10.6

<REAR>

MODE PIN NO.	REC	PLAY
IC6001		
1	0	0
2	0	10.0
3	0	8.9
4	9.7	9.8
5	8.6	8.7
6	7.6	7.8
7	7.8	7.9
8	8.0	8.0
9	8.5	6.3
10	0	0
11	10.7	10.7
12	0	11.8
13	0	8.4
14	0	0
15	0	2.7
16	0	0
17	0	0
18	3.0	3.1
19	11.0	11.0
20	11.0	11.0
21	0	0
22	0	0
23	3.0	2.9
24	3.1	3.0
25	3.0	3.0
26	3.0	3.0
27	3.0	3.1
28	3.1	3.0
29	1.0	1.0
30	0	0
31	0	0
32	0	0
33	0	0
34	2.6	2.7
35	0	0
36	0	0
37	1.0	1.0
38	0.7	0.9
39	1.0	0.9
40	0.7	0.6
41	1.0	1.0
42	1.0	1.0
43	0.7	0.8
44	1.0	1.0
45	1.0	1.0
46	0.8	0.8
47	1.0	1.0
48	0.6	0.5
49	0.9	1.0
50	0.6	0.7
51	0.8	0.8
52	1.0	1.0
53	0	0
54	0	0
55	1.0	1.0
56	0	0
57	0	0
58	0	0
59	2.7	2.7
60	0	0
61	15.0	15.0
62	10.8	10.8
63	1.3	1.3
64	11.0	11.0
IC6002		
1	0	0
2	0	0
3	0	0
4	5.5	5.5
5	10.9	10.9
6	11.0	11.0
IC6004		
1	0	0
2	0	0
3	1.9	2.0
4	0	0
5	0	3.0
Q6003		
1	11.0	11.0
2	5.5	5.4
3	10.9	11.0
4	10.9	10.9
5	0	0
6	0	0
7	11.0	11.0
8	11.0	11.0
Q6101		
S	10.0	10.0
D	11.0	11.0
G	1.1	1.2
Q6102		
S	8.9	9.0
D	0	0
G	1.2	0
Q6201		
S	9.6	9.7
D	11.0	11.0
G	1.5	1.5
Q6202		
S	8.6	8.6
D	0	0
G	1.5	1.4
Q6301		
S	7.6	7.7
D	11.0	11.0
G	3.4	3.3
Q6302		
S	0	0
D	0	3.3
G	3.3	3.2
Q6303		
E	0	0
C	0	0
B	0.7	0.7
Q6401		
S	7.8	7.8
D	11.0	11.0
G	3.2	3.1
Q6402		
S	0	0
D	3.1	0
G	3.1	3.1
Q6403		
E	0	0
C	0	0
B	0.6	0.7
Q6404		
S	0	0
D	3.1	3.1
G	2.7	3.1
Q6501		
S	8.0	0
D	10.9	11.0
G	0	0
Q6502		
E	-14.2	0
C	0	0
B	0	-14.9
Q6503		
1	0	0
2	-7.5	-7.5
3	0	0
4	0	0
5	0	-7.6
6	-13.7	-14.9
Q6701		
S	8.6	0
D	11.0	11.0
G	4.9	4.9
Q6702		
S	9.8	9.8
D	4.7	4.9
G	0	0
Q6703		
S	0	0
D	4.9	4.9
G	4.9	4.9

<MONITOR>

MODE PIN NO.	DC
IC7601	
1	3.1
2	0
3	0
Q7702	
1	0
2	2.9
3	3.1
4	3.1
5	0
6	0
Q7703	
1	0.5
2	1.1
3	5.0
4	0.4
5	0
6	1.1

JVC
Victor Company of Japan, Limited
Camcorder Category 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YF137)

Printed in Japan
VPT

PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

BEWARE OF BOGUS PARTS

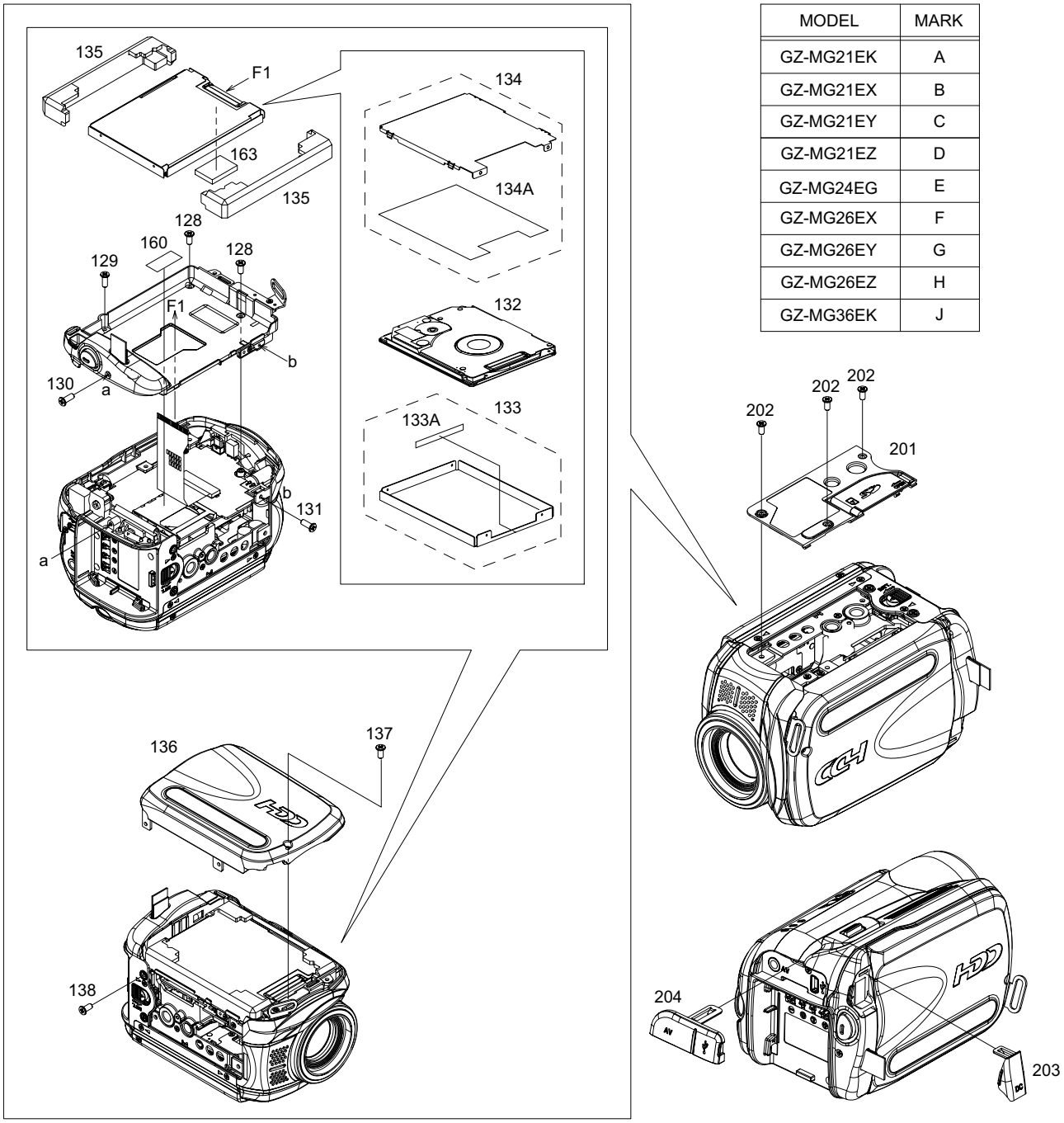
Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.

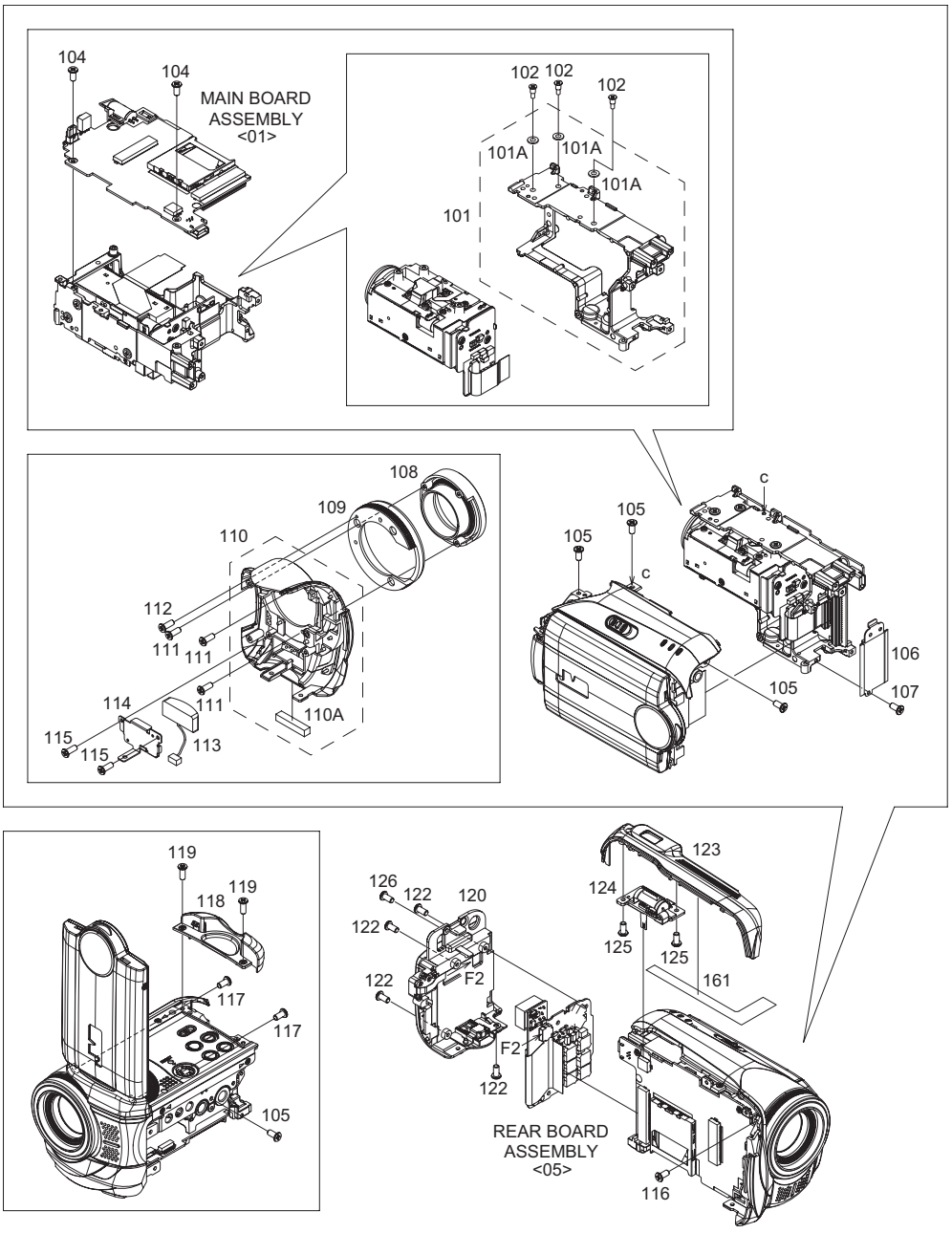
1. EXPLODED VIEW

1.1 FINAL ASSEMBLY<M1>

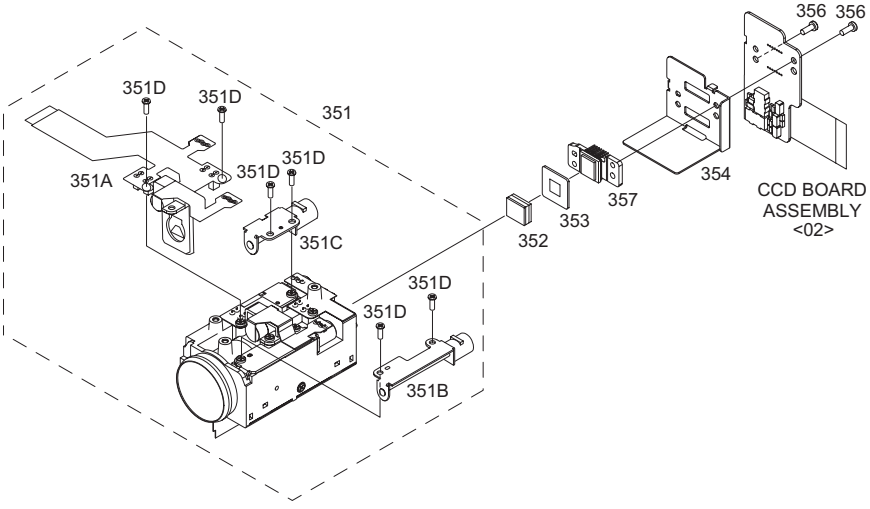
The instruction manual to be provided with this product will differ according to the destination.

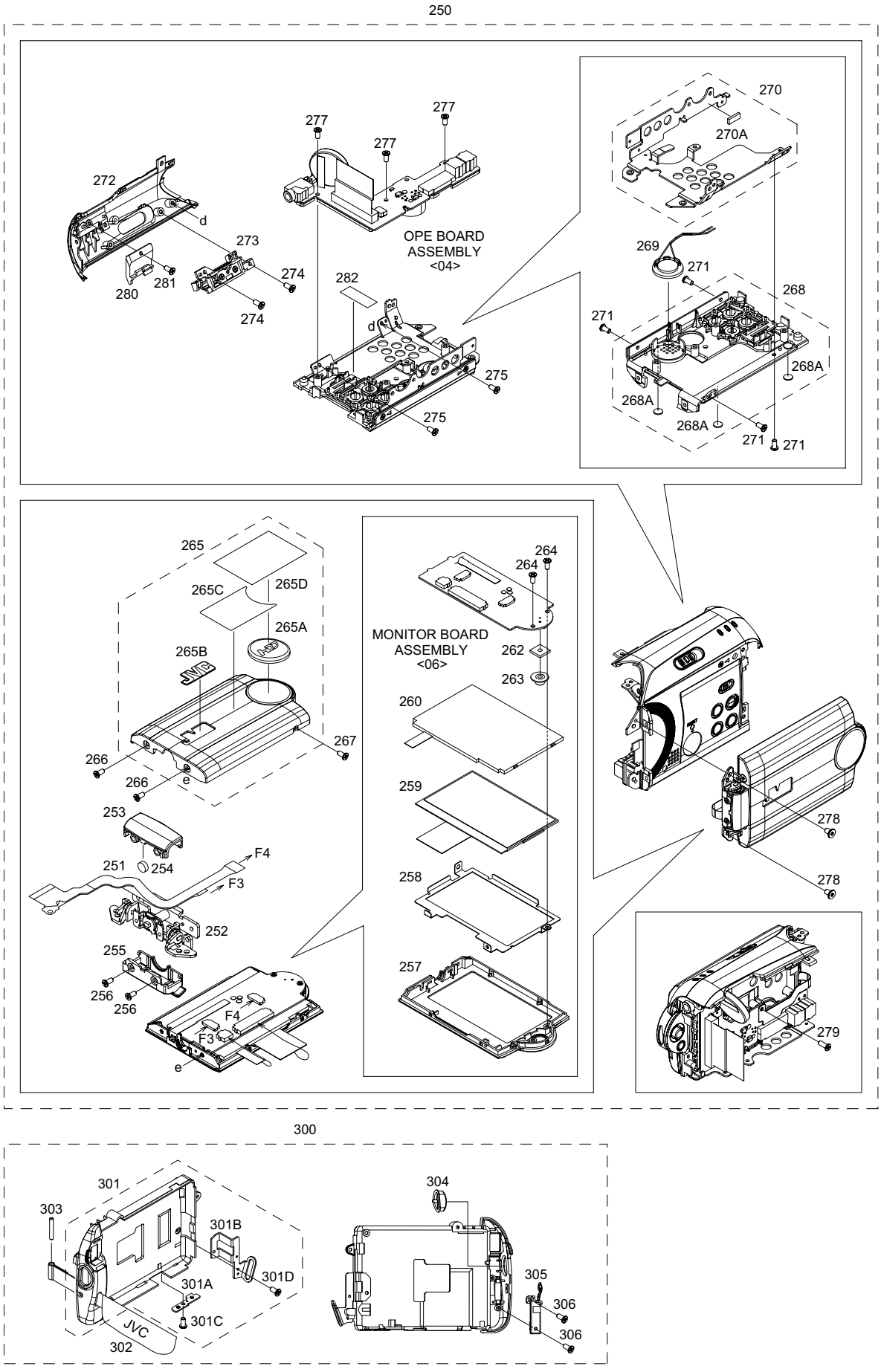
MODEL	MARK
GZ-MG21EK	A
GZ-MG21EX	B
GZ-MG21EY	C
GZ-MG21EZ	D
GZ-MG24EG	E
GZ-MG26EX	F
GZ-MG26EY	G
GZ-MG26EZ	H
GZ-MG36EK	J



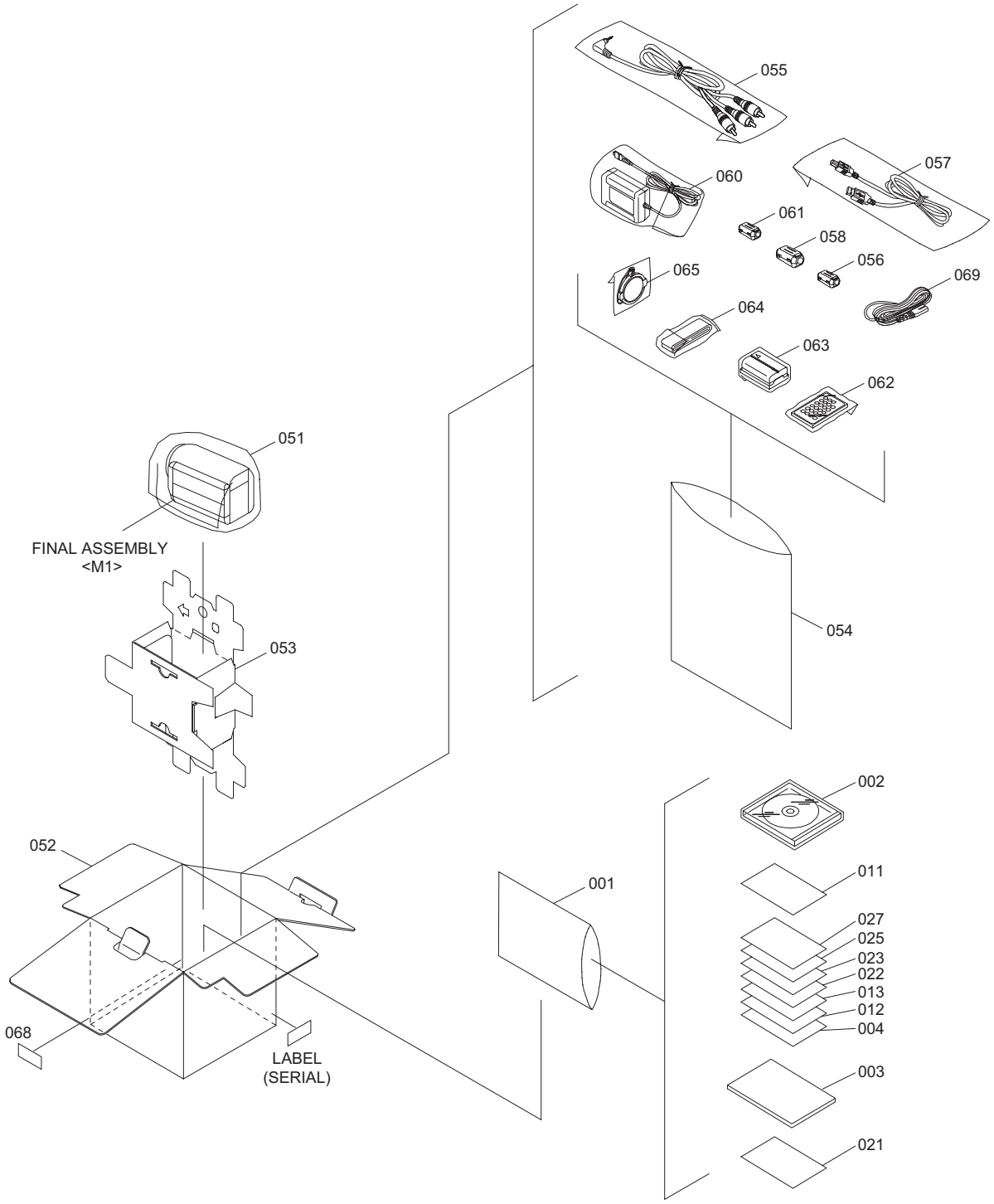


OP BLOCK ASSEMBLY




250
277
277
277
272
d
273
274
281
280
274
OPE BOARD
ASSEMBLY
<04>
282
d
275
275
270
270A
269
271
268
271
268A
268A
268A
271
271
271
265
265C
265D
265A
265B
JVC
267
266
266
e
253
254
251
F4
F3
252
255
256
256
F4
F3
e
MONITOR BOARD
ASSEMBLY
<06>
264
264
262
263
260
259
258
257
278
278
279
300
301
303
301B
301D
301A
301C
JVC
302
304
305
306
306

1.2 PACKING AND ACCESSORY ASSEMBLY <M5>



MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MG21EK	A	GZ-MG21EZ	D	GZ-MG26EY	G
GZ-MG21EX	B	GZ-MG24EG	E	GZ-MG26EZ	H
GZ-MG21EY	C	GZ-MG26EX	F	GZ-MG36EK	J

2. PARTS LIST

FINAL ASSEMBLY <M1>

⚠ Symbol No.	Part No.	Part Name	Description	Local
101	LY35263-001B	FRAME ASSY		
101A	LY34799-002A	BUSH	(x3)	
102	LY30032-021A	SPECIAL SCREW	FRM-OP(x3)	
104	LY30031-0K7A	SPECIAL SCREW	MAIN-FRM(x2)	
105	LY30031-0K7A	SPECIAL SCREW	UPPER-FRM(x4)	
106	LY35256-001A	SHIELD(FRAME)		
107	LY30031-0K7A	SPECIAL SCREW	SHIELD-FRM	
108	LY35262-001A	HOOD		
109	LY35237-001C	RING		
110	LY35228-001C	F.COVER ASSY		J
110	LY35228-002D	F.COVER ASSY		A,B,C,D,F,G,H
110	LY35228-003D	F.COVER ASSY		E
110A	LY30035-031A	SPACER(A)		
111	LY30031-0L8B	SPECIAL SCREW	FRONT-HOOD(x3)	
112	LY30031-0K7A	SPECIAL SCREW	FRONT-RING	
113	LY35303-001A	MIC		
114	LY35268-001A	BKT(MIC)		
115	LY30031-0L8B	SPECIAL SCREW	BKT(MIC-FR)(x2)	
116	LY30031-0K7A	SPECIAL SCREW	FRONT-FRM	
117	LY30031-038A	SPECIAL SCREW	UPPER-FRON(x2)	
118	LY35215-001C	M.L.CASE ASSY		J
118	LY35215-002C	M.L.CASE ASSY		A,B,C,D,F,G,H
118	LY35215-003C	M.L.CASE ASSY		E
119	LY30031-0L8B	SPECIAL SCREW	MLOCK-UPPE(x2)	
⚠ 120	LY21491-001C	REAR UNIT		
122	LY30031-0K7A	SPECIAL SCREW	REAR-FRM(x4)	
123	LY21485-001A	TOP COVER(ZOOM)		
124	LY34990-001E	ZOOM UNIT		
125	LY30031-0L8B	SPECIAL SCREW	ZOOM-TOP(Z)(x2)	
126	LY30031-0K7A	SPECIAL SCREW	TOP(Z)-FRM	
128	LY30031-0K7A	SPECIAL SCREW	HCASE-FRM(x2)	
129	LY30031-0L8B	SPECIAL SCREW	HCASE-ZOOM	
130	LY30031-0L8B	SPECIAL SCREW	HCASE-REAR	
131	LY30031-0K7A	SPECIAL SCREW	FRONT-HCAS	
132	QAL0885-001	HDD	20G	A,B,C,D,E,F,G,H
132	QAL0885-002	HDD	30G	J
133	LY35388-001B	BKT(HDD)U ASSY		
133A	LY30035-033A	SPACER(A)		
134	LY35243-001A	BKT(HDD)ASSY		
134A	LY35244-001A	SHEET(HDD)		
135	LY35245-001A	GEL	(x2)	
136	LY21490-001A	HDD COVER		J
136	LY21490-002A	HDD COVER		A,B,C,D,E,F,G,H
137	LY30031-0K7A	SPECIAL SCREW	HCOV-HOOK	
138	LY30031-0K7A	SPECIAL SCREW	REAR(B-FRM)	
160	LY34189-018A	GASCKET	SD	
161	LY45202-001A	SHIELD(ZOOM)		
163	LY34189-020A	GASCKET	FPC	
201	LY35247-001B	B.COVER ASSY		
202	LY30031-0K7A	SPECIAL SCREW	BOTTOM(x3)	
203	LY35239-001A	JACK COVER(DC)		
204	LY35233-001A	JACK COVER(REAR)		
250	UU06E301K	U.UNIT ASSY	FOR JAPAN	A,B,C,D
250	UU06E3W04L	U.UNIT ASSY	FOR JAPAN	E
250	UU06E3W05L	U.UNIT ASSY	FOR JAPAN	J
250	UU06E3W09D	U.UNIT ASSY	FOR JAPAN	F,G,H
251	QAL0806-001	FPC	MONI-OPE	
252	LY35075-001A	HINGE UNIT	YEM	
253	LY35219-001C	HINGE COVER(U)		J
253	LY35219-002C	HINGE COVER(U)		A,B,C,D,F,G,H
253	LY35219-003C	HINGE COVER(U)		E
254	LY43413-001A	P.C.MAGNET		
255	LY35220-001C	HINGE COVER(L)		E,J
255	LY35220-002C	HINGE COVER(L)		A,B,C,D,F,G,H
256	LY30031-0K7A	SPECIAL SCREW	HCOV-HINGE(x2)	
257	LY35213-001C	MONI.CASE ASSY		J
257	LY35213-002C	MONI.CASE ASSY		F,G,H
257	LY35213-003C	MONI.CASE ASSY		A,B,C,D
257	LY35213-010C	MONI.CASE ASSY		E
258	LY21475-001B	LCD BKT(WIDE)	16:9	E,F,G,H,J
258	LY21476-001C	LCD BKT	4:3	A,B,C,D
259	QLD0359-001	LCD MODULE	4:3	A,B,C,D
259	QLD0417-002	LCD MODULE	16:9	E,F,G,H,J
260	QLL0174-002	BACK LIGHT	4:3	A,B,C,D
260	QLL0178-002	BACK LIGHT	16:9	E,F,G,H,J
262	LY45193-001A	SPACER(CURSOL)		
263	LY45166-001C	KNOB(CURSOL)		
264	LY30031-0L8B	SPECIAL SCREW	PWB-M.CASE(x2)	
265	LY35221-001D	MONI.COVER ASSY		J
265	LY35221-002D	MONI.COVER ASSY		F,G,H
265	LY35221-003D	MONI.COVER ASSY		A,B,C,D
265	LY35221-013D	MONI.COVER ASSY		E
265A	LY45165-001A	MARK(HDD)		
265B	LY45126-001B	JVC MARK		
265C	LY35260-001A	STICKER		J
265C	LY35260-002A	STICKER		A,B,C,D,E,F,G,H
265D	LY45216-001A	PROTECT SHEET		
266	LY30031-0K6A	SPECIAL SCREW	MCOV-HINGE(x2)	
267	LY30031-0K7A	SPECIAL SCREW	MCOV-LBKT	
268	LY21478-001D	U.CASE ASSY		J
268	LY21478-002D	U.CASE ASSY		A,B,C,D,F,G,H
268	LY21478-017A	U.CASE ASSY		E
268A	LY42350-001A	FOOT	(x3)	
269	QAS0429-001	SPEAKER		
270	LY35416-001A	BKT(UPPER)ASSY		
270A	LY30035-039A	SPACER(A)		
271	LY30031-0K7A	SPECIAL SCREW	UC-BKT(U)(x4)	
272	LY35234-003A	T.COVER(U) ASSY		A,B,C,D,E,F,G,H
272	LY35234-004A	T.COVER(U) ASSY		J
273	LY35224-001C	POWER SW ASSY		J
273	LY35224-002C	POWER SW ASSY		A,B,C,D,E,F,G,H
274	LY30031-0L8B	SPECIAL SCREW	POW-TOP(U)(x2)	
275	LY30031-0L8B	SPECIAL SCREW	BKT(U-TOP)(x2)	
277	LY30031-060A	SPECIAL SCREW	PWB-UPPER(x3)	
278	LY30031-0K6A	SPECIAL SCREW	HING-BKT(U)(x2)	
279	LY30031-060A	SPECIAL SCREW	FPC-UPPER	
280	LY35236-001A	INTERRUPTER		
281	LY30031-0L8B	SPECIAL SCREW	INTER-TOP	
282	LY45112-001A	HEAT SHEET		
⚠ 300	CU06E301A	C(BELT)UNITASSY	FOR JAPAN	
⚠ 301	LY35238-001C	HDD CASE ASSY		
301A	LY35022-201A	BKT(BOTTOM)		
301B	LY35241-001A	HOOK(G.B)		
301C	LY30031-0L6A	SPECIAL SCREW	BKT(BTM)	
301D	LY30031-0L6A	SPECIAL SCREW	HOOK	
302	LY21416-001B	GRIP BELT		
303	LY34997-001A	SHAFT(G.B)		
304	LY35240-001B	BUTTON(TRIG)		
305	LY35242-001B	HOLDER(SHAFT)		
306	LY30031-0L8B	SPECIAL SCREW	HOLDER(SH)(x2)	
351	LY35161-002A	OP BLOCK ASSY		
351A	PTY35161-206	AUTO IRIS UNIT		
351B	PTY35161-101	ZOOM MOTOR UNIT		
351C	PTY35161-102	FOCUS MOTOR UNIT		
351D	PTY35161-535	TAPPING SCREW	(x6)	
352	LY45144-001A	OPTICAL LPF		
353	LY45175-001A	SHEET		
354	LY35257-001A-ML	SHIELD CCD	JPN	
356	LY30031-0J7A	SPECIAL SCREW	(x2)	
357	LYH30667-002A	CCD BASE ASSY		

PACKING AND ACCESSORY ASSEMBLY <M5>

⚠ Symbol No.	Part No.	Part Name	Description	Local
001	LY34452-001A	POLY BAG	DOCUMENT	
002	LY35273-003A-S	CD ROM ASSY		
⚠ 003	LYT1537-001B	INST BOOK(EN)	(ENGLISH)	A,J
⚠ 003	LYT1537-002B	INST BOOK(GE)	(GERMAN)	B,C,F,G
⚠ 003	LYT1537-003B	INST BOOK(FR)	(FRENCH)	B,F
⚠ 003	LYT1537-004B	INST BOOK(DU)	(DUTCH)	B,F
⚠ 003	LYT1537-005B	INST BOOK(SP)	(SPANISH)	B,F
⚠ 003	LYT1537-006B	INST BOOK(IT)	(ITALIAN)	B,F
⚠ 003	LYT1537-007B	INST BOOK(DA)	(DANISH)	C,G
⚠ 003	LYT1537-008B	INST BOOK(FI)	(FINN)	C,G
⚠ 003	LYT1537-009B	INST BOOK(SW)	(SWEDISH)	C,G
⚠ 003	LYT1537-010B	INST BOOK(NO)	(NORWEGIAN)	C,G
⚠ 003	LYT1537-011B	INST BOOK(RU)	(RUSSIAN)	D,H

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MG21EK	A	GZ-MG21EZ	D	GZ-MG26EY	G
GZ-MG21EX	B	GZ-MG24EG	E	GZ-MG26EZ	H
GZ-MG21EY	C	GZ-MG26EX	F	GZ-MG36EK	J

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ 003	LYT1537-012B	INST BOOK(CZ)	(CZECH)	D,H
⚠ 003	LYT1537-013B	INST BOOK(PO)	(PORTUGUESE)	D,H
⚠ 003	LYT1537-014B	INST BOOK(HU)	(HUNGARIAN)	D,H
⚠ 003	LYT1537-015B	INST BOOK(PT)	(PORTUGUESE)	B,F
⚠ 003	LYT1563-001B	INST BOOK(GE)	(GERMAN)	E
004	LYT1538-001A	INST BOOK(SOFT.EN)	(SOFT.ENGLISH)	A,J
004	LYT1538-002B	INST BOOK(SOFT.GEFRDU)	(SOFT.GERMAN FRENCH DUTCH)	B,F
004	LYT1538-003A	INST BOOK(SOFT.SPITPT)	(SOFT.SPANISH ITAIAN PORTUGUESE)	B,F
004	LYT1538-004A	INST BOOK(SOFT.GEDAFI)	(SOFT.GERMAN DANISH FINN)	C,G
004	LYT1538-005A	INST BOOK(SOFT.SWNO)	(SOFT.SWEDISH NORWEGIAN)	C,G
004	LYT1538-006A	INST BOOK(SOFT.RUCZ)	(SOFT.RUSSIAN CZECH)	D,H
004	LYT1538-007A	INST BOOK(SOFT.POHU)	(SOFT.PORTUGUESE HUNGARIAN)	D,H
004	LYT1538-008A	INST BOOK(SOFT.GE)	(SOFT.GERMAN)	E
011	----------	WARRANTY CARD	BT-54029-1CAM	
012	LYT0194-001B	Q.CARD		A,J
013	YU30878	REGI. CARD		A,J
021	LY35385-003A	SHEET(ACC GUIDE)		
022	LYT1600-001A	SHEET(DVD.W.EN)		A,J
022	LYT1600-002A	SHEET(DVD.W.GE)		B,C,E,F,G
022	LYT1600-003A	SHEET(DVD.W.FR)		B,F
022	LYT1600-004A	SHEET(DVD.W.DU)		B,F
022	LYT1600-005A	SHEET(DVD.W.SP)		B,F
022	LYT1600-006A	SHEET(DVD.W.IT)		B,F
022	LYT1600-007A	SHEET(DVD.W.DA)		C,G
022	LYT1600-008A	SHEET(DVD.W.FI)		C,G
022	LYT1600-009A	SHEET(DVD.W.SW)		C,G
022	LYT1600-010A	SHEET(DVD.W.NO)		C,G
022	LYT1600-011A	SHEET(DVD.W.RU)		D,H
022	LYT1600-012A	SHEET(DVD.W.CZ)		D,H
022	LYT1600-013A	SHEET(DVD.W.PO)		D,H
022	LYT1600-014A	SHEET(DVD.W.HU)		D,H
022	LYT1600-018A	SHEET(DVD.W.PT)		B,F
023	LYT1601-001A	SHEET(DVD.M.EN)		A,J
023	LYT1601-002A	SHEET(DVD.M.GE)		B,C,E,F,G
023	LYT1601-003A	SHEET(DVD.M.FR)		B,F
023	LYT1601-004A	SHEET(DVD.M.DU)		B,F
023	LYT1601-005A	SHEET(DVD.M.SP)		B,F
023	LYT1601-006A	SHEET(DVD.M.IT)		B,F
023	LYT1601-007A	SHEET(DVD.M.DA)		C,G
023	LYT1601-008A	SHEET(DVD.M.FI)		C,G
023	LYT1601-009A	SHEET(DVD.M.SW)		C,G
023	LYT1601-010A	SHEET(DVD.M.NO)		C,G
023	LYT1601-011A	SHEET(DVD.M.RU)		D,H
023	LYT1601-012A	SHEET(DVD.M.CZ)		D,H
023	LYT1601-013A	SHEET(DVD.M.PO)		D,H
023	LYT1601-014A	SHEET(DVD.M.HU)		D,H
023	LYT1601-018A	SHEET(DVD.M.PT)		B,F
025	LY35208-001A	SHEET(E-SHOP)		A,J
027	LYT1607-001A	SHEET(ATT.)		
051	LY30023-003A	POLY BAG	FOR YSK	
052	LY35251-005A	PACKING CASE	PRODUCTION	J
052	LY35251-006A	PACKING CASE	PRODUCTION	A,B,C,D,F,G,H
052	LY35251-014A	PACKING CASE	PRODUCTION	E
053	LY21420-001A	CUSHION		
054	QPA02503505P	POLY BAG	ACC. 25cm x 35cm	
055	QAM0508-001	A/V CABLE	FILTER	
056	QQR0918-004	CORE FILTER	AV	
057	QAM0719-001	USB CABLE		
058	QQR0491-004	CORE FILTER	USB 1T	
⚠ 060	LY21104-001E	AC ADAPTER	AP-V14E	A,J
⚠ 060	LY21343-001B	AC ADAPTER	AP-V17E	B,C,D,E,F,G,H
061	QQR0917-004	CORE FILTER	DC	
062	LY21430-003A	REMOTE CTL UNIT	RM-V730UE	
⚠ 063	LY34647-002B	BATTERY PACK	BN-VF707U	
064	LY21397-002A	SHOULDER STRAP		
065	LY34811-001B	HOOD CAP ASSY		
068	LY45161-002A-ML	LABEL	JPN	A,B,C,D,F,G,H,J
068	LY45161-002A	LABEL		E
⚠ 069	QMPP210-190-JR	POWER CORD	BS PLUG	A,J

MAIN BOARD ASSEMBLY <01>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10071-02D	MAIN BOARD ASSY		

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC121	NAL0035-001X	SHOCK SENSOR		
IC171	KSM-2003LN2E	IR DETECT UNIT		
IC1001	MN102H60GJD	IC(MICRO C ROM)	MASK	
IC1001 or	MN102HF60GJD	IC(MICRO C ROM)	MP FLASH	
IC1002	RS5C314-X	IC		
IC1003	S-80827CNNB-G-W	IC		
IC1004	SN74AHC1G08DC-X	IC(DIGITAL)		
IC1004 or	74AHC1G08GW-X	IC		
IC1004 or	TC7SH08FU-X	IC(DIGITAL)		
IC1005	SN74AHC1G04DC-X	IC(DIGITAL)		
IC1005 or	TC7SH04FU-X	IC(DIGITAL)		
IC1007	TC75S56FU-X	IC		
IC1007 or	NJU7108F3-X	IC		
IC2201	AK4660VQ	IC	48P0.5	
IC2201 or	AK4664VQ	IC		
IC3001	UPD61152F1-A03	IC(MICRO C ROM)		
IC3002	K4S28323LF-HN75	IC	128M 32BIT	
IC3201	JCP8075	IC		
IC3202	MB90099PFV139EX	IC(MICRO C ROM)		
IC3204	R1100D251C-X	IC		
IC3701	BH7612FV-X	IC		
IC4001	SIP1280ISD-DVA3	IC		
IC4001 or	SIP1280ISD-DVA2	IC		
IC4003	R1114N331B-X	IC		
IC4201	NN12072A-X	IC	TG/CDS/AD	
IC4301	SG32A90BFIR4B02	IC(MICRO C ROM)		
IC4303	K4S56323LF-HN75	IC	256M FBGA	
IC4304	R1114N251B-X	IC	SREG2.5V	
IC4401	JCY0231	IC	STD SELL	
IC4403	MM3142FN-X	IC	2.5V REG	
IC4501	JCY0209-2	IC	PREPROCESS	
IC4502	M95320-WDW6-X	IC	EEPROM	
IC4901	JCY0223-X	IC		
Q131	DTC144EE-X	TRANSISTOR		
Q131 or	BCR148T-X	DIGI TRANSISTOR		
Q131 or	UN9213J-X	DIGI TRANSISTOR		
Q171	RPM-22PB	PHOTO TRANSISTOR		
Q421	UMZ1N-W	PAIR TRANSISTOR	LIGHT LED	
Q421 or	PUMZ1-W	PAIR TRANSISTOR	LIGHT LED	
Q421 or	XP4601-W	PAIR TRANSISTOR	LIGHT LED	
Q422	DTC143XE-X	DIGI TRANSISTOR	LIGHT LED	
Q422 or	UN921FJ-X	DIGI TRANSISTOR	LIGHT LED	
Q422 or	KRC419E-X	DIGI TRANSISTOR	LIGHT LED	
Q422 or	RT1N432U-X	DIGI TRANSISTOR	LIGHT LED	
Q1001	DTC124EE-X	DIGI TRANSISTOR		
Q1002	2SC4617/RS/-X	TRANSISTOR		
Q1002 or	2SD2216J/RS/-X	TRANSISTOR		
Q1002 or	BC847BT-X	TRANSISTOR		
Q1003	DTA124EE-X	DIGI TRANSISTOR		
Q1004	2SC4617/RS/-X	TRANSISTOR		
Q1004 or	2SD2216J/RS/-X	TRANSISTOR		
Q1004 or	BC847BT-X	TRANSISTOR		
Q1005	2SJ347-X	MOS FET		
Q1006	DTA124EE-X	DIGI TRANSISTOR		
Q2202	UMX18N-W	PAIR TRANSISTOR		
Q2401	2SC4617/QR/-X	TRANSISTOR		
Q2401 or	BC847BT-X	TRANSISTOR		
Q2403	2SC4617/QR/-X	TRANSISTOR		
Q2403 or	BC847BT-X	TRANSISTOR		
Q3202	2SC4617/QR/-X	TRANSISTOR		
Q3202 or	BC847BT-X	TRANSISTOR		
Q3701	UMZ1N-W	PAIR TRANSISTOR		
Q3701 or	PUMZ1-W	PAIR TRANSISTOR		
Q3701 or	XP4601-W	PAIR TRANSISTOR		
Q4001	2SC4617/RS/-X	TRANSISTOR		
Q4001 or	BC847BT-X	TRANSISTOR		
Q4001 or	2SD2216J/RS/-X	TRANSISTOR		
Q7801	UMX1N-W	PAIR TRANSISTOR		
Q7801 or	BC847S-X	PAIR TRANSISTOR		
Q7801 or	PUMX1-W	PAIR TRANSISTOR		
Q7801 or	XP4501-W	PAIR TRANSISTOR		
Q7802	UMX1N-W	PAIR TRANSISTOR		
Q7802 or	BC847S-X	PAIR TRANSISTOR		
Q7802 or	PUMX1-W	PAIR TRANSISTOR		
Q7802 or	XP4501-W	PAIR TRANSISTOR		
Q7803	UMX1N-W	PAIR TRANSISTOR		
Q7803 or	BC847S-X	PAIR TRANSISTOR		

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MG21EK	A	GZ-MG21EZ	D	GZ-MG26EY	G
GZ-MG21EX	B	GZ-MG24EG	E	GZ-MG26EZ	H
GZ-MG21EY	C	GZ-MG26EX	F	GZ-MG36EK	J

⚠ Symbol No.	Part No.	Part Name	Description	Local
Q7803	or PUMX1-W	PAIR TRANSISTOR		
Q7803	or XP4501-W	PAIR TRANSISTOR		
⚠ D191	RB715W-X	SB DIODE		
D421	NSPW500CS/C0TU/	LED	LIGHT LED	
D1001	DA221-X	SI DIODE		
D1002	1SS376-X	SI DIODE		
D3701	UMZ6.8EN-W	Z DIODE		
D4003	1SS376-X	SI DIODE		
D4201	1SS355-X	SI DIODE		
D4201	or MA111-X	SI DIODE		
D4201	or 1SS352-X	SI DIODE		
C111	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C122	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C141	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C142	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C171	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C172	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1001	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1004	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1005	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C1006	NDCA1HJ-7R0W	C CAPACITOR	7pF 50V J	
C1008	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1013	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1014	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1015	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1016	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1017	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1018	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1020	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1025	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1026	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C1031	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1034	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1043	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1044	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1045	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C1046	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2202	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2205	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2209	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2210	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2217	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2218	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2223	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2224	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2401	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2402	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2403	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2404	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2405	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2406	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C2603	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C2604	NCBA1CK-223W	C CAPACITOR	0.022uF 16V K	
C2605	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C2606	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C2611	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2612	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2613	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2623	NDCA1HJ-100W	C CAPACITOR	10pF 50V J	
C2624	NDCA1HJ-100W	C CAPACITOR	10pF 50V J	
C2655	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C2656	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3004	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3005	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3006	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3007	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3008	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3009	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3010	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3011	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3012	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3013	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3014	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3015	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3016	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3019	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C3020	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3021	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3022	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C3023	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3024	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3201	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3202	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3203	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3204	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3205	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3206	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3207	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3208	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3209	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3210	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3211	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3212	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
C3216	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3217	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3218	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3219	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3220	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C3224	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3225	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3227	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3701	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C3702	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C3703	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C3704	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C3705	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4002	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4003	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4004	NBE20GM-476X	TA E CAPACITOR	47uF 4V M	
C4008	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4009	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4010	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4011	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C4012	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4013	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4014	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C4015	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4016	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4017	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4018	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4019	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4020	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C4021	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4022	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4023	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C4024	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4025	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4026	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4027	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4029	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4031	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4032	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4034	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4201	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C4202	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C4203	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4204	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4205	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4206	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4208	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4209	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4210	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C4211	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4212	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4213	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4214	NDCA1HJ-8R0W	C CAPACITOR	8pF 50V J	
C4215	NDCA1HJ-180W	C CAPACITOR	18pF 50V J	
C4216	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C4217	NBP21CM-106X	TA E CAPACITOR	10uF 16V M	
C4218	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4219	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4220	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MG21EK	A	GZ-MG21EZ	D	GZ-MG26EY	G
GZ-MG21EX	B	GZ-MG24EG	E	GZ-MG26EZ	H
GZ-MG21EY	C	GZ-MG26EX	F	GZ-MG36EK	J

⚠ Symbol No.	Part No.	Part Name	Description	Local
C4221	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4224	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	
C4225	NDCA1HJ-100W	C CAPACITOR	10pF 50V J	
C4301	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4302	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4305	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4306	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C4307	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4308	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4309	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4310	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4351	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4352	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4401	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4402	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4403	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4404	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4405	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4406	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4407	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4411	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4412	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4501	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4503	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4504	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4505	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4506	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4507	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4510	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4511	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4513	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4514	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4517	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4518	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4519	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4521	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4522	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4523	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4524	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4525	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4527	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4528	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4529	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C4532	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4533	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4534	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4902	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
C4903	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C4905	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4906	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4907	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4908	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4909	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4911	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C4912	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4913	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4914	NDCA1HJ-680W	C CAPACITOR	68pF 50V J	
C4915	NDCA1HJ-121W	C CAPACITOR	120pF 50V J	
C4916	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4921	NCFA1AZ-474W	C CAPACITOR	0.47uF 10V Z	
C4922	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4923	NCB30JK-474X	C CAPACITOR	0.47uF 6.3V K	
C4924	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4925	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C4926	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4927	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C4932	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C4935	NBE21AM-106X	TA E CAPACITOR	10uF 10V M	
C4936	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C4937	NDCA1HJ-101W	C CAPACITOR	100pF 50V J	
C7802	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7803	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C7804	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7805	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7806	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C7852	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
R101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R111	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R112	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R113	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R114	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R115	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R131	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R141	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R142	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R143	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R144	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R145	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R146	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R147	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R148	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R149	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R150	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R151	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R167	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R169	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R171	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R172	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
⚠ R191	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R196	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R197	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R198	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R421	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R422	NRSA6AJ-182W	MG RESISTOR	1.8kΩ 1/16W J	
R423	NRSA6AJ-391W	MG RESISTOR	390Ω 1/16W J	
R424	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R1001	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1003	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1004	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1005	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1006	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1007	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1008	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1009	NRSA6AJ-681W	MG RESISTOR	680Ω 1/16W J	
R1010	NRSA6AJ-221W	MG RESISTOR	220Ω 1/16W J	
R1016	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R1017	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1018	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1019	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1020	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1022	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1023	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1024	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1025	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1028	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1029	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1030	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1031	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1037	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1043	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1045	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1051	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J	
R1052	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R1053	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
R1054	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1055	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R1056	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R1057	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1058	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1059	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1060	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1061	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1062	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1063	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R1064	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1065	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1066	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R1068	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1069	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1070	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1071	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1072	NRSA6AJ-823W	MG RESISTOR	82kΩ 1/16W J	
R1073	NRSA6AJ-623W	MG RESISTOR	62kΩ 1/16W J	
R1074	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MG21EK	A	GZ-MG21EZ	D	GZ-MG26EY	G
GZ-MG21EX	B	GZ-MG24EG	E	GZ-MG26EZ	H
GZ-MG21EY	C	GZ-MG26EX	F	GZ-MG36EK	J

⚠ Symbol No.	Part No.	Part Name	Description	Local
R1075	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1076	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1077	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R1082	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1083	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R1084	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1085	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R1086	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R2202	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R2203	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J	
R2204	NRSA6AJ-154W	MG RESISTOR	150kΩ 1/16W J	
R2206	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R2207	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R2208	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2209	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2210	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R2211	NRSA6AJ-821W	MG RESISTOR	820Ω 1/16W J	
R2212	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω 1/16W J	
R2213	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω 1/16W J	
R2217	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R2233	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R2234	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R2235	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R2241	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R2401	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R2402	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R2403	NRSA6AJ-183W	MG RESISTOR	18kΩ 1/16W J	
R2407	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R2601	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2602	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2607	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2608	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R2609	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R2610	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R3001	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3002	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3003	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3004	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3007	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3008	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3009	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3012	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3013	NRSA6AJ-271W	MG RESISTOR	270Ω 1/16W J	
R3014	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3016	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3017	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3022	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3023	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3024	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3025	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3026	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3027	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3028	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3029	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3030	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3031	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3032	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R3033	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3034	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R3035	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3036	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3039	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3040	NRSA6AJ-271W	MG RESISTOR	270Ω 1/16W J	
R3041	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3042	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R3043	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R3044	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R3045	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R3046	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3201	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3202	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3203	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3204	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3205	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3206	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3207	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3208	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R3209	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3210	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3211	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3212	NRSA6AD-183W	MG RESISTOR	18kΩ 1/16W D	
R3213	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R3214	NRSA6AD-272W	MG RESISTOR	2.7kΩ 1/16W D	
R3215	NRSA6AD-272W	MG RESISTOR	2.7kΩ 1/16W D	
R3216	NRSA6AD-821W	MG RESISTOR	820Ω 1/16W D	
R3217	NRSA6AD-821W	MG RESISTOR	820Ω 1/16W D	
R3221	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3222	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3223	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R3224	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R3701	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3702	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R3703	NRSA6AD-680W	MG RESISTOR	68Ω 1/16W D	
R3708	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R3709	NRSA6AJ-122W	MG RESISTOR	1.2kΩ 1/16W J	
R3710	NRSA6AJ-222W	MG RESISTOR	2.2kΩ 1/16W J	
R4001	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4002	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R4003	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4005	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4006	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4007	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4008	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4016	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4017	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4018	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4019	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4020	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4021	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4023	NRSA6AD-272W	MG RESISTOR	2.7kΩ 1/16W D	
R4024	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4025	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4026	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4027	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4030	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4031	NRSA6AJ-221W	MG RESISTOR	220Ω 1/16W J	
R4034	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4035	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4036	NRSA6AJ-220W	MG RESISTOR	22Ω 1/16W J	
R4037	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4038	NRSA6AJ-820W	MG RESISTOR	82Ω 1/16W J	
R4039	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4042	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4043	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4044	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4048	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4049	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4050	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4051	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4052	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4053	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4054	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4055	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4056	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4057	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4058	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4059	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4060	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4061	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4062	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4063	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4064	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4065	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4066	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4067	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4068	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4069	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4070	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4071	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4072	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4073	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4074	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4075	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4076	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4077	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4078	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MG21EK	A	GZ-MG21EZ	D	GZ-MG26EY	G
GZ-MG21EX	B	GZ-MG24EG	E	GZ-MG26EZ	H
GZ-MG21EY	C	GZ-MG26EX	F	GZ-MG36EK	J

⚠ Symbol No.	Part No.	Part Name	Description	Local
R4079	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4081	NRSA6AJ-181W	MG RESISTOR	180Ω 1/16W J	
R4083	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R4084	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R4086	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4087	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4088	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4201	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R4204	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4205	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4206	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4207	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4208	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4209	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R4210	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4211	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4212	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4214	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4219	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4220	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4221	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4222	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4223	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4224	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4225	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4226	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4227	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4301	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4413	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4414	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4415	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4416	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4418	NRSA6AJ-470W	MG RESISTOR	47Ω 1/16W J	
R4422	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4424	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4425	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4501	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4502	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4503	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4504	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4505	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4506	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4507	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4508	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4510	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4511	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4513	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4514	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4515	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4524	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4525	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4527	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4529	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4530	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4531	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R4532	NRSA6AJ-223W	MG RESISTOR	22kΩ 1/16W J	
R4533	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R4534	NRSA6AJ-393W	MG RESISTOR	39kΩ 1/16W J	
R4535	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4536	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4537	NRSA6AJ-100W	MG RESISTOR	10Ω 1/16W J	
R4541	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4542	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4550	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4551	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R4554	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4555	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4556	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4558	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R4563	NRSA6AJ-152W	MG RESISTOR	1.5kΩ 1/16W J	
R4569	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4579	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4580	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4581	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R4582	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R4583	NRSA6AJ-331W	MG RESISTOR	330Ω 1/16W J	
R4585	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4587	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4588	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4589	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R4903	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R4904	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4905	NRSA6AJ-153W	MG RESISTOR	15kΩ 1/16W J	
R4906	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R4907	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R4908	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R4909	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R4910	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4911	NRSA6AJ-101W	MG RESISTOR	100Ω 1/16W J	
R4916	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4917	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4919	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4920	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4923	NRSA6AJ-122W	MG RESISTOR	1.2kΩ 1/16W J	
R4924	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R4925	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R4926	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R4927	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R4931	NRSA6AJ-271W	MG RESISTOR	270Ω 1/16W J	
R4944	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4948	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R4949	NRSA6AJ-562W	MG RESISTOR	5.6kΩ 1/16W J	
R4950	NRSA6AJ-123W	MG RESISTOR	12kΩ 1/16W J	
R4951	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R4993	NRSA6AJ-471W	MG RESISTOR	470Ω 1/16W J	
R7801	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R7802	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R7803	NRSA6AD-621W	MG RESISTOR	620Ω 1/16W D	
R7804	NRSA6AD-222W	MG RESISTOR	2.2kΩ 1/16W D	
R7805	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R7807	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	
R7808	NRSA6AD-621W	MG RESISTOR	620Ω 1/16W D	
R7809	NRSA6AD-222W	MG RESISTOR	2.2kΩ 1/16W D	
R7810	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R7812	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	
R7813	NRSA6AD-621W	MG RESISTOR	620Ω 1/16W D	
R7814	NRSA6AD-222W	MG RESISTOR	2.2kΩ 1/16W D	
R7815	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R7817	NRSA6AJ-682W	MG RESISTOR	6.8kΩ 1/16W J	
R7851	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
R7853	NRSA6AD-363W	MG RESISTOR	36kΩ 1/16W D	
R7854	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
R7856	NRSA6AD-363W	MG RESISTOR	36kΩ 1/16W D	
R7857	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
R7859	NRSA6AD-363W	MG RESISTOR	36kΩ 1/16W D	
RA3001	NRZ0034-181W	NET RESISTOR	180Ω 1/32W J x4	
RA3002	NRZ0034-181W	NET RESISTOR	180Ω 1/32W J x4	
RA3201	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J x4	
RA3202	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J x4	
RA4001	NRZ0034-221W	NET RESISTOR	220Ω 1/32W J x4	
RA4002	NRZ0034-221W	NET RESISTOR	220Ω 1/32W J x4	
RA4301	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J x4	
RA4302	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J x4	
RA4303	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J x4	
RA4304	NRZ0034-104W	NET RESISTOR	100kΩ 1/32W J x4	
L111	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L121	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L131	NQR0506-002X	EMI FILTER		
L141	NQR0129-002X	FERRITE BEADS		
L161	NQL38DK-100X	P COIL	10uH K	
L171	NQR0129-002X	FERRITE BEADS		
L1001	NQR0129-002X	FERRITE BEADS		
L1002	NQLC32M-100X	COIL	10uH M	
L2401	NQLC32M-100X	COIL	10uH M	
L2402	NQLC32M-100X	COIL	10uH M	
L2601	NQR0269-013X	FERRITE BEADS		
L2602	NQR0269-013X	FERRITE BEADS		
L2603	NQR0269-013X	FERRITE BEADS		
L3001	NQR0129-002X	FERRITE BEADS		
L3002	NQR0154-003X	FERRITE CORE		
L3005	NQR0006-001X	FERRITE BEADS		
L3007	NQR0129-002X	FERRITE BEADS		
L3201	NQR0129-002X	FERRITE BEADS		
L3203	NQR0129-002X	FERRITE BEADS		
L3206	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MG21EK	A	GZ-MG21EZ	D	GZ-MG26EY	G
GZ-MG21EX	B	GZ-MG24EG	E	GZ-MG26EZ	H
GZ-MG21EY	C	GZ-MG26EX	F	GZ-MG36EK	J

⚠ Symbol No.	Part No.	Part Name	Description	Local
L3701	NQL38DK-100X	P COIL	10uH K	
L4003	NQR0129-002X	FERRITE BEADS		
L4004	NQR0006-001X	FERRITE BEADS		
L4005	NQR0154-003X	FERRITE CORE		
L4006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L4008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L4201	NQR0006-001X	FERRITE BEADS		
L4202	NQL315K-220X	COIL	22uH K	
L4203	NQL315K-220X	COIL	22uH K	
L4204	NQL315K-220X	COIL	22uH K	
L4205	NQLC32M-100X	COIL	10uH M	
L4301	NQR0129-002X	FERRITE BEADS		
L4303	NQR0154-003X	FERRITE CORE		
L4401	NQR0006-001X	FERRITE BEADS		
L4402	NQR0006-001X	FERRITE BEADS		
L4501	NQR0006-001X	FERRITE BEADS		
L4502	NQR0006-001X	FERRITE BEADS		
L4503	NQR0006-001X	FERRITE BEADS		
L4505	NQR0006-001X	FERRITE BEADS		
L4507	NQR0006-001X	FERRITE BEADS		
L4901	NQR0129-002X	FERRITE BEADS		
L4902	NQL38DK-100X	P COIL	10uH K	
L4903	NQL38DK-100X	P COIL	10uH K	
L4904	NQL38DK-100X	P COIL	10uH K	
L7801	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L7851	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
CN101	QGF0547C3-50X	CONNECTOR	OPE FFC/FPC (1-50)	
CN102	QGF0508F3-40X	CONNECTOR	KIN HDD FFC/FPC (1-40)	
CN103	QGF0508F3-53X	CONNECTOR	KIN REAR FFC/FPC (1-53)	
CN104	QGF0534F2-06X	CONNECTOR	KIN ZOOM FFC/FPC (1-6)	
CN105	QGF0547C3-24X	CONNECTOR	CCD FFC/FPC (1-24)	
CN106	QGF0549C2-26W	CONNECTOR	KIN OP FFC/FPC (1-26)	
CN107	QGA1001F1-04X	CONNECTOR	INT MIC W-B (1-4)	
CN110	QGB0512L1-30X	CONNECTOR	JIG B-B (1-30)	
CN111	NNZ0156-001X	SD CARD CONNE	SD	
J101	QNZ0497-001	USB(B) CONNECTOR B	USB USB(MINI-B)	
TP1	NNZ0163-001X	EARTH TERMINAL		
TP2	NNZ0163-001X	EARTH TERMINAL		
TP3	NNZ0163-001X	EARTH TERMINAL		
X1001	NAX0784-001X	C RESONATOR		
X1002	NAX0564-001X	CRYSTAL	32.768kHz	
X4001	NAX0710-001X	CXO		
X4201	NAX0879-001X	CRYSTAL	36MHZ XTAL	
HD1	LY35255-001A	HOLDER(W.B)	W.B.HOLD	
HD2	LY35258-001A	LED HOLDER (1)	LED HOLD1	
HD3	LY35259-001A	LED HOLDER (2)	LED HOLD2	
OT1	QAL0807-001	FPC	MAIN-HDD	
OT2	LY30035-025B	SPACER(A)	FPC	
OT3	LY30035-036A	SPACER(A)	PWB	
SD1	LY45207-001A	SHIELD SHEET	SD	

CCD BOARD ASSEMBLY <02>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10067-01B	CCD BOARD ASSY		
IC5801	TC75S54FU-X	IC		
IC5801 or	NJU7008F3-X	IC		
IC5801 or	S-89120ANC-G-X	IC		
IC5802	SN74AHC1G66K-X	IC		
IC5802 or	TC7S66FU-X	IC(DIGITAL)		
IC5802 or	74AHC1G66GW-X	IC		
IC5803	TC75S54FU-X	IC		
IC5803 or	NJU7008F3-X	IC		
IC5803 or	S-89120ANC-G-X	IC		
IC5804	TC7W53FU-X	IC(DIGITAL)		
IC5852	NAL0039-001X	GYRO SENSOR		
IC5901	TC75S54FU-X	IC		
IC5901 or	NJU7008F3-X	IC		
IC5901 or	S-89120ANC-G-X	IC		
IC5902	SN74AHC1G66K-X	IC		
IC5902 or	TC7S66FU-X	IC(DIGITAL)		
IC5902 or	74AHC1G66GW-X	IC		
IC5903	TC75S54FU-X	IC		
IC5903 or	NJU7008F3-X	IC		
IC5903 or	S-89120ANC-G-X	IC		
IC5904	TC7W53FU-X	IC(DIGITAL)		
IC5952	NAL0038-001X	GYRO SENSOR		
Q5001	2SC5345U/Y/-X	TRANSISTOR	CCD OUT	
Q5001 or	2SC3931/CD/-X	TRANSISTOR	CCD OUT	
C5001	NBP41EM-475X-B	TA E CAPACITOR	4.7uF 25V M	
C5002	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C5003	NBP21CM-106X	TA E CAPACITOR	10uF 16V M	
C5004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5005	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C5006	NCB11EK-104X	C CAPACITOR	0.1uF 25V K	
C5007	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C5801	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	
C5806	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C5807	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C5808	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C5809	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
C5810	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C5812	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5813	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C5851	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	
C5853	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5907	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C5908	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C5909	NBE20JM-475X	TA E CAPACITOR	4.7uF 6.3V M	
C5910	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C5912	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C5913	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
R5001	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R5805	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5806	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R5807	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R5808	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R5811	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R5812	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5816	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5817	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5818	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5819	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D	
R5820	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R5905	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5906	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R5907	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R5908	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R5911	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R5912	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5915	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5917	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5918	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R5919	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D	
R5920	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
L5001	NQL315K-100X	COIL	10uH K	
L5003	NQL315K-100X	COIL	10uH K	
L5801	NQR0129-002X	FERRITE BEADS		
L5851	NQR0129-002X	FERRITE BEADS		
CN5001	QGF0503F8-24X	CONNECTOR	TO MAIN FFC/FPC (1-24)	
OT1	QAL0740-002	FPC	FOR CN5001	

OPE BOARD ASSEMBLY <04>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10070-01B1	OPE BOARD ASSY		A,B,C,D
PW1	LYA10069-01B1	OPE BOARD ASSY		E,F,G,H,J
D401	SML-A12UT-X	LED	POW/CHG	
D402	SMLA12BC4T-X	LED	DRV_ACCESS	
D403	MA8068-X	Z DIODE	LCD_OPN SW	
D403 or	UDZS6.8B-X	Z DIODE	LCD_OPN SW	
D404	SML-A12MT-X	LED	USB_HOST	

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MG21EK	A	GZ-MG21EZ	D	GZ-MG26EY	G
GZ-MG21EX	B	GZ-MG24EG	E	GZ-MG26EZ	H
GZ-MG21EY	C	GZ-MG26EX	F	GZ-MG36EK	J

⚠ Symbol No.	Part No.	Part Name	Description	Local
D452	MA8068-X	Z DIODE		
D452 or	UDZS6.8B-X	Z DIODE		
C451	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C452	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C455	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C456	NEAF0GM-337X	E CAPACITOR	330uF 4V M	
C457	NEAF0GM-337X	E CAPACITOR	330uF 4V M	
R401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R406	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R407	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R408	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R451	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R452	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R455	NRSA63D-680X	MG RESISTOR	68Ω 1/16W D	
R456	NRSA63D-680X	MG RESISTOR	68Ω 1/16W D	
R457	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L451	NQR0251-004X	FERRITE BEADS		
L452	NQR0251-004X	FERRITE BEADS		
L453	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L454	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L455	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
⚠ BT401	QAB0069-001	LITHIUM BATTERY		
CN401	QGF0547C3-50X	CONNECTOR	MAIN P/WB FFC/FPC (1-50)	
CN402	QGF0503F8-24X	CONNECTOR	MONI FPC FFC/FPC (1-24)	
CN403	QGA1001F1-02X	CONNECTOR	SPEAKER W-B (1-2)	
J401	QNS0078-001	3.5 JACK	AV JACK	
J402	QND0078-001	S JACK	S JACK	
S401	NSW0260-001X	SLIDE SWITCH	POWER_CHRG	
S402	NSW0161-001X	DETECT SWITCH	LCD_OPEN	
S403	NSW0099-001X	SLIDE SWITCH	MOV/STILL	
S404	NSW0198-001X	TACT SWITCH	INFO	
S405	NSW0198-001X	TACT SWITCH	BKLIGHT	
S411	NSW0198-001X	TACT SWITCH	NIGHT EYE	
S412	NSW0198-001X	TACT SWITCH	TRASH	
S413	NSW0272-001X	TACT SWITCH	RESET	
WR1	WJT0196-001A-E	E-CARD WIRE	OPE-MAIN	

REAR BOARD ASSEMBLY <05>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW1	LYA10068-01C	REAR BOARD ASSY		
IC6001	FA7737F	IC		
IC6002	LTC4412ES6-W	IC		
IC6004	S-89220ACNC-G-W	IC		
Q6002	DTC144EE-X	DIGI TRANSISTOR		
Q6002 or	BCR148T-X	DIGI TRANSISTOR		
Q6002 or	UN9213J-X	DIGI TRANSISTOR		
Q6002 or	PDTC144EE-X	DIGI TRANSISTOR		
Q6003	SP8J5-X	MOS FET	SP8J5	
Q6101	RSR025P03-X	MOS FET		
Q6102	RSR025N03-X	MOS FET		
Q6201	RSR025P03-X	MOS FET		
Q6202	RSR025N03-X	MOS FET		
Q6301	RSR025P03-X	MOS FET		
Q6302	RTF020P02-X	MOS FET		
Q6303	2SC4617/QR/-X	TRANSISTOR		
Q6303 or	BC847BT-X	TRANSISTOR		
Q6303 or	2SD2216J/QR/-X	TRANSISTOR		
Q6303 or	2SC4738/YG/-X	TRANSISTOR		
Q6303 or	2SC5383/E/-X	TRANSISTOR		
Q6401	RSR025P03-X	MOS FET		
Q6402	RTF020P02-X	MOS FET		
Q6403	2SC4617/QR/-X	TRANSISTOR		
Q6403 or	BC847BT-X	TRANSISTOR		
Q6403 or	2SD2216J/QR/-X	TRANSISTOR		
Q6403 or	2SC4738/YG/-X	TRANSISTOR		
Q6403 or	2SC5383/E/-X	TRANSISTOR		
Q6404	RTF020P02-X	MOS FET		
Q6501	RSR025P03-X	MOS FET		
Q6502	2SD2703-X	TRANSISTOR		
Q6503	UMT1N-W	PAIR TRANSISTOR		
Q6503 or	HN1A01FU/G/-X	PAIR TRANSISTOR		
Q6503 or	BC856S-X	PAIR TRANSISTOR		
Q6701	RSR025P03-X	MOS FET		
Q6702	RSR025P03-X	MOS FET		
Q6703	RSR025P03-X	MOS FET		
D601	EMZ6.8N-X	Z DIODE	BATT	
D602	UDZS16B-X	Z DIODE		
D6101	RB160M-30-X	SB DIODE		
D6201	RB160M-30-X	SB DIODE		
D6301	RB160M-30-X	SB DIODE		
D6302	1SS355-X	SI DIODE		
D6302 or	MA111-X	SI DIODE		
D6401	1SS355-X	SI DIODE		
D6401 or	MA111-X	SI DIODE		
D6402	RB160M-30-X	SB DIODE		
D6501	RB481K-X	SB DIODE		
D6502	RB481K-X	SB DIODE		
D6701	RB160M-30-X	SB DIODE		
D6702	RB160M-30-X	SB DIODE		
D6801	RB551V-30-X	SB DIODE		
D6901	MA8068-X	Z DIODE		
C601	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C603	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C6006	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6007	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6008	NCJ21CK-475X-R	C CAPACITOR	4.7uF 16V K	
C6009	NCB21CK-224X	C CAPACITOR	0.22uF 16V K	
C6010	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C6011	NCJ21CK-475X-R	C CAPACITOR	4.7uF 16V K	
C6017	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6018	NCBA1AK-104W	C CAPACITOR	0.1uF 10V K	
C6019	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6020	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6101	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6102	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6103	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C6104	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C6201	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6202	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6203	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C6204	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C6301	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6302	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6303	NCBA1HK-681W	C CAPACITOR	680pF 50V K	
C6305	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C6401	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6402	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6403	NCBA1HK-681W	C CAPACITOR	680pF 50V K	
C6405	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C6501	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6502	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C6503	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6504	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C6505	NCF21CZ-105X	C CAPACITOR	1uF 16V Z	
C6506	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6508	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6509	NCBA1AK-333W	C CAPACITOR	0.033uF 10V K	
C6510	NCBA1AK-473W	C CAPACITOR	0.047uF 10V K	
C6511	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6701	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C6702	NCB41CK-106X	C CAPACITOR	10uF 16V K	
C6704	NCBA1EK-472W	C CAPACITOR	4700pF 25V K	
C6705	NCBA1CK-103W	C CAPACITOR	0.01uF 16V K	
C6706	NCBA1HK-221W	C CAPACITOR	220pF 50V K	
C6707	NCBA1HK-821W	C CAPACITOR	820pF 50V K	
C6802	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C6803	NCBA1HK-102W	C CAPACITOR	1000pF 50V K	
C6804	NCBA1HK-392W	C CAPACITOR	3900pF 50V K	
R601	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R602	NRSA6AJ-332W	MG RESISTOR	3.3kΩ 1/16W J	
R603	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MG21EK	A	GZ-MG21EZ	D	GZ-MG26EY	G
GZ-MG21EX	B	GZ-MG24EG	E	GZ-MG26EZ	H
GZ-MG21EY	C	GZ-MG26EX	F	GZ-MG36EK	J

⚠ Symbol No.	Part No.	Part Name	Description	Local
R604	NRSA6AD-154W	MG RESISTOR	150kΩ 1/16W D	
R605	NRSA6AD-393W	MG RESISTOR	39kΩ 1/16W D	
R6001	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6002	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6003	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6004	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6005	NRSA6AD-303W	MG RESISTOR	30kΩ 1/16W D	
R6007	NRSA6AD-473W	MG RESISTOR	47kΩ 1/16W D	
R6008	NRSA6AD-823W	MG RESISTOR	82kΩ 1/16W D	
R6009	NRSA6AD-333W	MG RESISTOR	33kΩ 1/16W D	
R6010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6012	NRSA6AJ-564W	MG RESISTOR	560kΩ 1/16W J	
R6014	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R6015	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R6016	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R6017	NRSA6AJ-514W	MG RESISTOR	510kΩ 1/16W J	
R6018	NRSA6AJ-184W	MG RESISTOR	180kΩ 1/16W J	
R6019	NRSA6AJ-824W	MG RESISTOR	820kΩ 1/16W J	
R6021	NRSA6AJ-474W	MG RESISTOR	470kΩ 1/16W J	
R6022	NRSA6AJ-104W	MG RESISTOR	100kΩ 1/16W J	
R6034	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6103	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6104	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6109	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6111	NRSA6AD-473W	MG RESISTOR	47kΩ 1/16W D	
R6112	NRSA6AD-822W	MG RESISTOR	8.2kΩ 1/16W D	
R6203	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6204	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6205	NRSA6AD-823W	MG RESISTOR	82kΩ 1/16W D	
R6206	NRSA6AD-363W	MG RESISTOR	36kΩ 1/16W D	
R6301	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6302	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R6303	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6304	NRSA6AD-303W	MG RESISTOR	30kΩ 1/16W D	
R6305	NRSA6AD-133W	MG RESISTOR	13kΩ 1/16W D	
R6306	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6310	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R6311	NRSA6AJ-185W	MG RESISTOR	1.8MΩ 1/16W J	
R6313	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6401	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R6402	NRSA6AD-123W	MG RESISTOR	12kΩ 1/16W D	
R6403	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6404	NRSA6AD-562W	MG RESISTOR	5.6kΩ 1/16W D	
R6405	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6406	NRSA6AJ-473W	MG RESISTOR	47kΩ 1/16W J	
R6407	NRSA6AJ-185W	MG RESISTOR	1.8MΩ 1/16W J	
R6409	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
R6412	NRSA6AJ-185W	MG RESISTOR	1.8MΩ 1/16W J	
R6502	NRSA6AD-104W	MG RESISTOR	100kΩ 1/16W D	
R6503	NRSA6AD-913W	MG RESISTOR	91kΩ 1/16W D	
R6504	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R6505	NRSA6AJ-333W	MG RESISTOR	33kΩ 1/16W J	
R6507	NRSA6AJ-754W	MG RESISTOR	750kΩ 1/16W J	
R6509	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6512	NRSA6AJ-103W	MG RESISTOR	10kΩ 1/16W J	
R6513	NRSA6AJ-272W	MG RESISTOR	2.7kΩ 1/16W J	
R6702	NRV142F-R20X	CMF RESISTOR	0.2Ω 1/4W F	
R6703	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R6704	NRSA6AJ-105W	MG RESISTOR	1MΩ 1/16W J	
R6708	NRSA6AD-133W	MG RESISTOR	13kΩ 1/16W D	
R6709	NRSA6AD-104W	MG RESISTOR	100kΩ 1/16W D	
R6710	NRSA6AJ-124W	MG RESISTOR	120kΩ 1/16W J	
R6712	NRSA6AJ-561W	MG RESISTOR	560Ω 1/16W J	
R6713	NRSA6AJ-224W	MG RESISTOR	220kΩ 1/16W J	
R6714	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R6715	NRSA6AD-103W	MG RESISTOR	10kΩ 1/16W D	
R6716	NRSA6AJ-822W	MG RESISTOR	8.2kΩ 1/16W J	
R6717	NRSA6AD-393W	MG RESISTOR	39kΩ 1/16W D	
R6718	NRSA6AJ-0R0W	MG RESISTOR	0Ω 1/16W J	
R6719	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6802	NRSA6AJ-472W	MG RESISTOR	4.7kΩ 1/16W J	
R6803	NRSA6AJ-102W	MG RESISTOR	1kΩ 1/16W J	
L6101	NQL52EM-390X	COIL	39uH M	
L6201	NQL52EM-680X	COIL	68uH M	
L6301	NQL52EM-390X	COIL	39uH M	
L6401	NQL52EM-390X	COIL	39uH M	
L6501	NQL52EM-221X	COIL	220uH M	
L6502	NQL38DK-100X	P COIL	10uH K	
L6701	NQL52EM-470X	COIL	47uH M	
L6801	NQL79GM-470X	COIL	47uH M	
CN6001	QGF0508F3-53X	CONNECTOR	KIN MAIN FFC/FPC (1-53)	
CN6002	QGF0534F2-06X	CONNECTOR	KIN TRIG FFC/FPC (1-6)	
⚠ F6001	NMFZ007-2R5X-K	FUSE	2.5A 24V	
⚠ F6002	NMFZ007-2R5X-K	FUSE	2.5A 24V	
⚠ F6301	NMFZ007-1R25X-K	FUSE	1.25A 32V	
⚠ F6501	NMFZ007-R80X-K	FUSE	0.8A 32V	
J601	QNA0039-001	DC JACK	DC JACK	
BT1	LY35291-001A	BATT.TERMINAL	BATT TERMI	
OT1	QAL0782-002	FPC	TO MAIN	

MONITOR BOARD ASSEMBLY <06>

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW2	LYA10070-01B2	MONITOR BOARD ASSY		A,B,C,D
PW2	LYA10069-01B2	MONITOR BOARD ASSY		E,F,G,H,J
IC7601	DN8797MS-X	IC		
Q7702	UMD3N-W	DIGI TRANSISTOR		
Q7703	UMX1N-W	PAIR TRANSISTOR		
Q7703 or	PUMX1-W	PAIR TRANSISTOR		
Q7703 or	BC847S-X	PAIR TRANSISTOR		
Q7703 or	KTC801U/G/-X	PAIR TRANSISTOR		
Q7703 or	RT3CLLM/EF/-X	PAIR TRANSISTOR		
C7601	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	A,B,C,D
C7602	NCB31HK-471X	C CAPACITOR	470pF 50V K	A,B,C,D
C7602	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	E,F,G,H,J
C7603	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	A,B,C,D
C7603	NCB31CK-105X	C CAPACITOR	1uF 16V K	E,F,G,H,J
C7604	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	A,B,C,D
C7604	NCB31CK-105X	C CAPACITOR	1uF 16V K	E,F,G,H,J
C7605	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	A,B,C,D
C7605	NCB31CK-105X	C CAPACITOR	1uF 16V K	E,F,G,H,J
C7606	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	A,B,C,D
C7607	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	A,B,C,D
C7607	NCB11EK-105X	C CAPACITOR	1uF 25V K	E,F,G,H,J
C7608	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	A,B,C,D
C7608	NCB31CK-105X	C CAPACITOR	1uF 16V K	E,F,G,H,J
C7609	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,C,D
C7609	NCB11EK-105X	C CAPACITOR	1uF 25V K	E,F,G,H,J
C7610	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,C,D
C7610	NCB11EK-105X	C CAPACITOR	1uF 25V K	E,F,G,H,J
C7611	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,C,D
C7611	NCB11EK-105X	C CAPACITOR	1uF 25V K	E,F,G,H,J
C7612	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,C,D
C7612	NCB11EK-105X	C CAPACITOR	1uF 25V K	E,F,G,H,J
C7613	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,C,D
C7613	NCB31EK-153X	C CAPACITOR	0.015uF 25V K	E,F,G,H,J
C7614	NBE90JM-106X	TA E CAPACITOR	10uF 6.3V M	A,B,C,D
C7614	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	E,F,G,H,J
C7615	NBE20JM-476X	TA E CAPACITOR	47uF 6.3V M	A,B,C,D
C7616	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,C,D
C7617	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,C,D
C7618	NBP21CM-106X	TA E CAPACITOR	10uF 16V M	A,B,C,D
C7619	NCB31CK-105X	C CAPACITOR	1uF 16V K	A,B,C,D
C7703	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C7704	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
R7501	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7502	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7503	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	E,F,G,H,J
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	A,B,C,D
R7603	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	A,B,C,D
R7603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	E,F,G,H,J
R7604	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	A,B,C,D
R7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	A,B,C,D
R7606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	E,F,G,H,J

MODEL	MARK	MODEL	MARK	MODEL	MARK
GZ-MG21EK	A	GZ-MG21EZ	D	GZ-MG26EY	G
GZ-MG21EX	B	GZ-MG24EG	E	GZ-MG26EZ	H
GZ-MG21EY	C	GZ-MG26EX	F	GZ-MG36EK	J

⚠ Symbol No.	Part No.	Part Name	Description	Local
R7607	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	A,B,C,D
R7607	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	E,F,G,H,J
R7608	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	A,B,C,D
R7608	NRSA63J-106X	MG RESISTOR	10MΩ 1/16W J	E,F,G,H,J
R7609	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	A,B,C,D
R7609	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	E,F,G,H,J
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7705	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	A,B,C,D
R7705	NRSA63J-911X	MG RESISTOR	910Ω 1/16W J	E,F,G,H,J
R7706	NRSA63J-240X	MG RESISTOR	24Ω 1/16W J	A,B,C,D
R7706	NRSA63J-200X	MG RESISTOR	20Ω 1/16W J	E,F,G,H,J
L7601	NQL382M-100X	COIL	10uH M	A,B,C,D
L7602	NQL382M-100X	COIL	10uH M	A,B,C,D
L7602	NQL38DK-101X	P COIL	100uH K	E,F,G,H,J
CN7601	QGF0508F3-12X	CONNECTOR	KIN OPE FFC/FPC (1-12)	
CN7602	QGF0508F3-12X	CONNECTOR	KIN OPE FFC/FPC (1-12)	
CN7603	QGF0508F3-40X	CONNECTOR	KIN LCD FFC/FPC (1-40)	A,B,C,D
CN7603	QGF0534F2-36X	CONNECTOR	KIN LCD FFC/FPC (1-36)	E,F,G,H,J
CN7701	QGF0508F3-06X	CONNECTOR	LED BL FFC/FPC (1-6)	
S7501	NSW0288-001X	TACT SWITCH	CROSSKEY	
S7502	NSW0198-001X	TACT SWITCH	MENU	
OT1	QAL0687-001	FPC		